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# NORTHERN HIGHLIGHTS

## The SCC Ontario Chapter's Newsletter

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135 Shuh Avenue  
Kitchener, ON, N2A 1H4

January 2012

Volume LI

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## SCC ONTARIO CHAPTER MEETING

THURSDAY FEBRUARY 2ND, 2012

*“Developing Fair Trade Personal Care Products  
– Challenges and Opportunities”*  
-Ed Matson

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### PRE-REGISTRATION IS REQUIRED FOR EDUCATION DAY.

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to January 30th, 2012.

Please note:

Should you register and not attend you will be  
invoiced the meeting fee.

Students must have their payment in by Monday prior to the  
meeting. To make your reservation today contact Gary at:

[gary@geandb.com](mailto:gary@geandb.com)

or by fax at (519) 896-7350 OR on-line at:

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# SCC ONTARIO CHAPTER MEETING

THURSDAY FEBRUARY 2ND, 2012

*“Developing Fair Trade Personal Care Products  
– Challenges and Opportunities”*

-Ed Matson

**Location:** The Venetian Banquet & Hospitality Centre  
219 Romina Drive, City of Vaughan,  
ON, L4K 4V3 (tel: 905-264-9960)

**Time:** 5:00 p.m. Cocktails

6:00 p.m. Dinner

7:00 p.m. Presentation

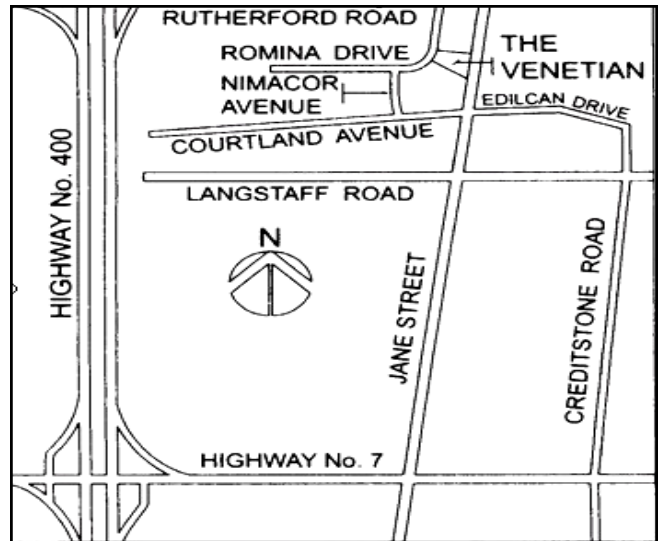
8:00 p.m. Adjournment

**Fees:** \$45 pre-paid SCC member

\$55 pre-paid non-member

\$10 pre-paid student

\$60 at the door



**Abstract:** Developing Fair Trade Personal Care Products – Challenges and Opportunities

Rising ethical consumerism is fueling increasing demand for Fair Trade products in food, beverage, and personal care. This talk addresses the challenges and opportunities inherent in the development of Fair Trade personal care products.

Topics covered are:

- Fair Trade principles
- Opportunities to make a meaningful difference as a brand
- Fair Trade and Sustainability – Economic, Social, and Environmental
- The organic connection
- Fair Trade Certified Cosmetics and Personal Care Labeling Policies
- Review of available Fair Trade raw materials – sourcing and quality implications and challenges
- Certification overview

**Bio:** Ed Matson

Ed Matson is a Magna Cum Laude graduate of Western Connecticut State University. He received his MBA from the University of Connecticut with concentrations in Marketing and Management. After a seventeen-year career in the aerospace field, Ed joined Carrubba in 1994, where he is Vice President of Sales and Marketing. As such, he is active in the development of new market leading aromatics and natural and sustainable botanical products. Ed was instrumental in Carrubba obtaining its USDA National Organic Program (NOP) certification in February 2003, and in its becoming a Fair Trade USA licensee in 2009, both industry firsts. He has spoken many times at industry functions in the U.S. and U.K.

Ed passionately pursues his cycling and Nordic skiing interests.

## **POSTER PRESENTATIONS**

We are pleased to have two poster presentations available during the February 2nd meeting. Be sure to drop by during the cocktail hour where the students will be available for questions!



### **1) The Evaluation & Prediction of Emulsion Stability**

Emulsions are generally classified as surfactant encapsulated droplets of one medium (oil or water) dispersed throughout the other. Despite these mixtures being thermodynamically unfavourable, they are of significant practical interest to the cosmetic industry owing to their stability. A commonly employed means by several prominent researchers over the past few decades in tailoring emulsion stability as desired is by scanning the equilibrium phase behaviour of corresponding swollen micellar-like microemulsions ( $\mu E$ ) formulations. As noted in a handful of recent publications, however, the only way of strategically doing so in a guided manner is via the semi-empirical hydrophilic-lipophilic deviation (HLD) model. The HLD of ionic surfactant  $\mu Es$ , which will be of focus in this work, is a function of the following easily quantifiable physicochemical parameters:

$$HLD = \ln(S) - 0.17N_{c,o} - f(A) - 0.01\Delta T + C_c$$

Here,  $S$  is the aqueous phase electrolyte concentration (in g/100 mL),  $f(A)$  is a function of the cosurfactant type and concentration,  $\Delta T$  is the difference in temperature from 25°C, and  $N_{c,o}$  and  $C_c$  are characteristic hydrophobicities of the oil phase and ionic surfactant respectively. In view of Equation 1, a net change in the ionic surfactant film's curvature induced by a  $HLD < 0$  to  $HLD > 0$  scan oftentimes reflects a stable emulsified oil-in-Type I (oil-in-water (o/w))  $\mu E$  to unstable emulsified oil and water-in-Type III (bicontinuous)  $\mu E$  to stable emulsified water-in-Type II (water-in-oil (w/o))  $\mu E$  transition. Although a theoretical framework aimed at rationalizing the above stability trend has been agreed upon in the literature, not a single study has yet looked to directly validate this hypothesis according to experimental methods. The overall objective of this poster is to help address this gap by measuring for the very first time the relative timespan of governing demulsification mechanisms across the broadly defined HLD window of emulsified anionic surfactant (sodium dihexyl sulfosuccinate (SDHS))-oil (toluene)-water mixtures. In depth conclusions with regards to future modeling considerations will also be presented.

Sumit Kiran, Ph.D. Candidate  
Department of Chemical Engineering, University of Toronto

### **2) Formulation of Ethylcellulose Thixotropic Oleogels for Cosmetic Applications**

Ethylcellulose (EC), a derivative of cellulose, is capable of producing oleogels when heated with mixing to above its glass transition temperature which is around 145°C. Oleogel refers to a gel with vegetable oil as the solvent phase. EC oleogels have been found to be exceedingly variable depending on a multitude of factors including oil type (fatty acid profile), EC molecular weight and concentration, and addition of surfactants as plasticizers. Unfortunately, these gels may break and lose functionality when shear is applied. Therefore, this research focussed on developing a strategy for imparting EC oleogels with desirable thixotropic properties. Thixotropy is a term used to describe materials that show decreasing apparent viscosity and decreasing shear stress over time when held at a fixed shear rate, and exhibit a regeneration of structure when the shear is removed. The regenerated structure allows for partial or full viscosity recovery. This research concentrated on utilizing a unique combination of surfactant, oil, and EC to produce a thixotropic gel with the end goal of preparing a product for hand and lip that can be used in place of products which contain large amounts of petrolatum such as petroleum jelly.

Such a gel was developed by combining vegetable oil and glycerol monooleate at a ratio of approximately 1:1 (w/w) with 5-10% EC and heating with stirring. The set gel has excellent clarity, gloss, spreadability, moisture barrier properties, and can fully recover its viscosity after being sheared. Similar results were observed with various oils however, changing the surfactant used led to great differences in the viscosity and proportion of viscosity recovery of the gels. It was also found that the viscosity of the gel could be modified by changing the concentration or molecular weight of the EC. The combination of oil and surfactant in a specific ratio has been used successfully to produce an EC thixotropic oleogel. This development will prove beneficial when utilizing oleogels in cosmetic systems.

Terri Stortz, Ph.D. Candidate & Alejandro G. Marangoni  
Department of Food Science, University of Guelph

## *A farewell message from the Chair.....*



I have completed my term as Chair for 2011 (and 2010 and part of 2009!), so it has been a while since anybody wrote a farewell message. It is with mixed emotions that I move on. I got quite comfortable in that position and I have to admit, the year, actually the 3 years, went by faster than I expected.

2011 was a great year. Our evening chapter meetings hosted a variety of excellent speakers. We started the year with Dr. Joe Schwarz: "Current Fears, Facts and Myths of the Cosmetic Industry" and our student scholarship winner, Carolyn Yuan was presented with a \$1,000.00 Scholarship. She gave a poster presentation on "Biocompatible Microemulsion Gels for the Delivery of Actives". Carolyn also presented her poster during the Mid-Year meeting of the SCC in Las Vegas. In May, Phil Cotrell of Innospec Active Chemicals spoke to our members about "Meeting the Challenges of Formulating High Performance Sulfate Free Products", which was followed by our Education Day in September. That meeting had four speaker and the topic was "Skin: What we know and what we should know about it". Philip Ludwig of Arch Personal Care presented "Using Human Genomic Microarrays in Personal Care". Dr. Linda Rhein of Bayer spoke on "Mechanisms and Future Therapeutic Stratgies". Anna Gripp of ISP was the next speaker with her talk on the "Status and content of the monograph and latest sunscreen trends". Anna won the best speaker award from the Ontario Chapter for this talk. To close out the day, Dr. Sam Shefer of Salvona Technologies Inc. spoke about "Solutions to Acne Prone Skin". Our last evening meeting of the year was in November and we enjoyed a talk by Tony O'Lenick on "Oil Soluble Silicones".

2011 was not all about education, we also had some fun. Our Annual Golf Tournament took place in July at Caledon Woods Golf Club. We had almost 120 participating golfers. The Shotgun tournament was followed by a fantastic dinner and was accompanied by giveaway of many prizes.

The year ended with our annual Holiday Dinner Dance which was attended by over 200 guests. As every year, the food was great and the company was even better. We also gave away many prizes, which was a nice end to a great year.

So now my responsibility of the day to day running of the Chapter is over and I am looking forward to being able to enjoy the meetings and events planned without the added responsibility, but I will remain on the board and be available to help out if needed. Starting a new year as Chair, or continuing for so many years is always exciting and you always wonder if it will be a success, but this year truly was a great success. I could not have done this without the help of many great people on the board. I would like to give a great Thank You to: Gary Baker, Catherine Blackhall, Rob Castillo, Janice Cukier, Chetan Desai, Zohreh Fakhim, Andy Halasz, Gagan Jain, Shahin Kalamtari, Nadia Lunn, Kashif Mazhar, Monika Melao, Marilyn Patterson, Elizabeth Peitsis, Rob Quinlan, Mary Seifi and Dennis Zuccolin. Very hard work of all of those volunteers needs to be acknowledged to really get the full picture of what it takes to run a successful chapter.

Mary Seifi takes on the responsibility of Chair for the Ontario SCC and I know she will do a fantastic job. I wish Mary all the best.

I would also like to wish all of the Members and supporters of Ontario SCC a Happy, Healthy and Prosperous 2012.

*Dorothy Maraprossians*



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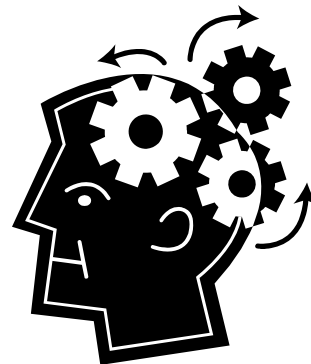


## Trivia (answers on pg 10)

1. In the 15th Century, what colour wedding dress would a young bride have preferred?  
White  
Cream  
Green  
Red
2. Name the three primary colours?  
purple, green, yellow  
cyan, magenta or red  
cyan, magenta and yellow
3. What was the first colour chosen for Post it Notes?
4. How many crayon colours does Crayola have?
5. What percentage of the World's population has blue eyes?  
4%  
8%  
23%  
31%
6. How many colour systems are there?  
One  
Two  
Four
7. What colour is the most attention getting?
8. What striking colour do villains usually wear?
9. What is the colour of royalty?
10. People lose their tempers more often in rooms of what colour?
11. What colour is most preferred by men?
12. Hospital rooms are painted what soothing colour?
13. In ancient Rome, public servants wore which colour?
14. What solid, reliable colour implies genuineness?
15. What colour can cause people to lose energy?
16. What is the least appetizing colour?
17. Between 1908 and 1914, what colour was the Model T Ford motor car available in?
18. What is the safest car colour?
19. Name the most popular toothbrush colour?
20. What colour is the Universe?
21. What was the best colour to camouflage a high flying spy plane during WW2?
22. What colour is water?

## Benefits of Membership.....Ask the Expert

The Society of Cosmetic Chemists has organized Ask the Expert to provide a forum for the exchange of ideas and new developments in cosmetic research and technology. This new educational tool allows users to seek answers to questions on pre-selected topics relating to the cosmetic sciences. Each Thursday members on the pre-selected panel of experts respond to questions submitted to Ask the Expert. Questions must pertain to the designated topics and be received no later than Wednesday to receive answers Thursday of the same week. Questions should be as brief as possible.



**Users ask questions to the forum's experts, and answers are received within the week.** One of the most important functions of the National Society of Cosmetic Chemists is to provide as many educational opportunities for the membership as possible. This is accomplished through many venues such as national scientific meetings and seminars, chapter meetings, chapter educational seminars, continuing education courses and the Journal of Cosmetic Science. Our members are the most important resource of the Society. Within our membership are many experts with vast knowledge in the field of cosmetic science. As many of these members approach the age of retirement, the knowledge that they possess begs to be shared. It is with great excitement that we, at National have introduced a new way to help share that information and continue the education of our members through this function called "Ask the Expert". The pool of experts include CEP instructors, consulting members, journal reviewers, monograph authors, Journal authors, renowned scientists and recognized experts in particular fields. This service is free. The response from our experts to this program has been one of excitement, and we hope you agree. We feel it is another benefit we can provide to the membership and general public to enhance their ability to excel in their jobs.

[http://www.sconline.org/website/news/ask\\_the\\_expert.shtml](http://www.sconline.org/website/news/ask_the_expert.shtml)





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**Presenters  
Welcome!!!**

The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[ahalasz@hunteramenities.com](mailto:ahalasz@hunteramenities.com)



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## Trivia Answers (see page 7)

1: Green. Green was a sign of fertility and was the colour of choice for wedding gowns.

2: Cyan, magenta and yellow

3: Yellow. Because when they were invented, they just happened to have yellow scrap paper laying around. No other reason.

4: 120. Nearly 3 billion crayons are made each year, an average of 12 million daily. A Yale University study shows that the scent of Crayola crayons is among the 20 most recognizable smells to American adults.

5: 8%

6: Two. Additive and Subtractive. Subtractive is mixing pigments and works from white to black (the more colour you add, the darker it gets). Additive is illuminated such as a television or computer screen and works from black to white (colours get lighter as you mix them).

7: Red

8: Black

9: Purple

10: Yellow

11: Blue

12: Green

13: Blue

14: Brown

15: Pink

16: Blue

17: From 1908 to 1914, the Model T was NOT available in black but only grey, green, blue, and red.

18: White

19: Blue

20: Beige or to be specific, "Cosmic Latte" (Hexadecimal:#FFF8E7)

21: Pink. Photo reconnaissance planes in WW2 were painted pink to blend in with blue skies.

22: Blue

Congratulations to the winning table at our November 3rd, 2011 meeting comprised of Derek Sanderson, Sally Hashemi, Craig Broijer, Kathie Taylor and Gerry Gomez!



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Pls visit: [www.pkchemind.com](http://www.pkchemind.com)

Enquiries: [info@pkchemind.com](mailto:info@pkchemind.com)



## 2011 HOLIDAY DINNER DANCE

The Holiday Dinner Dance was a huge success again this year. All were in good cheer as we started the evening with the very popular Antipasto Table. Music for the remainder of the evening was supplied by "Good Vibrations". The Venetian Banquet Hall and Hospitality Center put together a delicious dinner along with a sweets table that everyone really enjoyed. We would like to give a very special THANK YOU to **MAC** for providing the table favors for the evening.

As well, we would like to thank the following companies for generously donating to the prize table for the evening:

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**Stepan Canada**

**Tempo Canada Inc**

**Unipex Solutions Canada Inc.**

**Univar Canada**

**Wayne Fretz Consulting**

15th Annual Holiday Dance/Dinner -  
November 25, 2011



See all the Holiday Dinner Dance photos at:

<http://www.ontarioscc.org/gallery14.htm>

Special thanks to **Wayne Fretz** for taking all the great pictures!!





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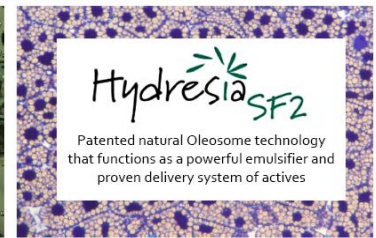
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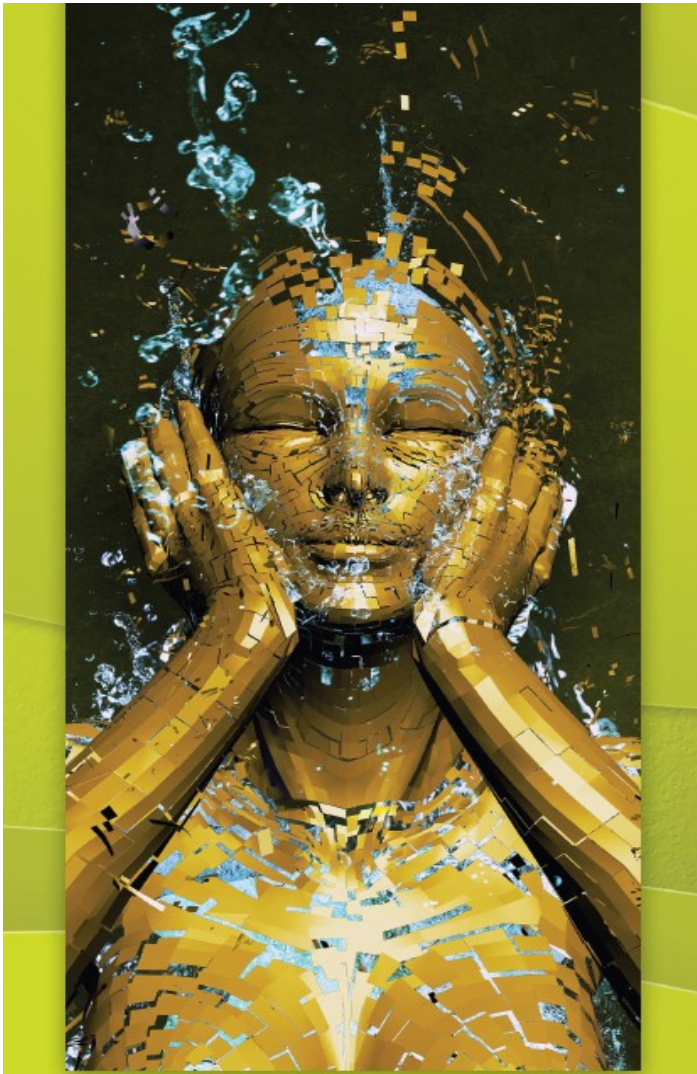
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## Industry News

**Pachem Distribution Inc** announces the acquisition of the distribution rights to the BASF Personal Care Line of products (Cognis Legacy, Ciba legacy and BASF Personal Care line products).

Effective January 1st, 2012 all the BASF Care Chemical and Home Care line will be distributed by Pachem Distribution Inc in Canada exclusively.

Effective February 1st, 2012, the Beauty Care Solutions line will be distributed on an exclusive base in Canada.

"We are very proud and happy to be able to continue and extend the coverage of BASF Personal Care Line on the Canadian market. The strength of the BASF technology combined with the deep ability of Pachem to service and help formulating and penetrating the cosmetic, home care and I&I market in Canada is real opportunity for success" says Paul Caghassi, President of Pachem Distribution.

Pachem Distribution Inc is a specialty chemical distributor founded in 1993 and focusing on the Personal Care and the I&I market in Canada, with head office in Laval Quebec, with a state of the art warehouse and laboratories giving technical and formulation assistance servicing the Canadian market from coast to coast, with full commitment to the CACD responsible distribution policy.

For more information, you can contact your local representative by calling 1-800-263-8365 or by email at [service@pachemdistribution.com](mailto:service@pachemdistribution.com)

## Address Changes??



Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

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# JOB SEARCH



## 1) Technical Director/ Head of Q-C/R&D

Company: MID-SIZED CANADIAN-OWNED HEALTH AND BEAUTY AIDS MANUFACTURER

### Key Role:

Manages and supports the product development team and personally oversees new product development/formulations. Manages Q-C Group to ensure all products produced, purchased and sold are manufactured, filled/packaged and tested in accordance with corporate/customer quality standards and government regulations. Acts as lead person on all dealings with regulatory bodies.

### Manages: Staff of 7 including:

Formulating Chemists  
Manager, Regulatory Affairs and Technical Services (Soap)  
Q/C-Q/A Manager

### Major Responsibilities:

#### 1. Product Development/Formulations

Personally plays lead role in new product formulations and manufacturing procedures. Continuously approves revised product formulae/compounding procedures to make existing formulae cost effective without compromising product integrity. Manages external suppliers and supplier audit program; coordinates evaluation of new/alternate materials and suppliers. Manages pilot product trials. Coordinates formulation/ reformulation schedule to meet corporate and client deadlines. Works closely with sales, marketing, and customers to develop new products and improve the quality of existing products

#### 2. Quality Control

Manages and administers product quality and product quality/ variable cost of raw materials, in-process bulk, and finished goods. Manages the quarantine, testing and release/rejection of incoming materials, bulk, and finished goods proactively to eliminate problems before they arise.

#### 3. Regulatory/Compliance/Administration

Administers GMP's and SOP (Standard Operating Procedures) program in accordance with corporate, customer and regulatory guidelines. Develops programs to gain regulatory approvals for the Company's line of products; leads liaison with regulatory bodies. Designs and coordinates the Master Validation Plan for drug products in accordance with HPB-FDA regulations. Coordinates and develops raw material, bulk, and finished goods test specifications in accordance with corporate, customer and regulatory guidelines. Administers the Customer Complaints program.

#### 4. Department Management

Plans, budgets and approves department's capital program/equipment, and supplies budget. Develops HR plan for department staff, including appropriate skills development training programs.

### Year One Mission/ Priorities:

Assesses current staff and Q/C- R&D programs and procedures; recommends and implements plan to achieve desired changes and standards of Q/C – R&D effectiveness.

### Compensation:

**Base:** Open; depending on experience  
**Bonus:** 0-25% potential based on corporate and department performance  
**Benefits:** Company-paid

### CANDIDATE SPECIFICATIONS

#### Education:

B.Sc. level (Chemistry) **Experience:**

minimum of 10 years relevant experience in a personal care, food, custom packaging or nutraceuticals manufacturing.  
3-5 years management experience in directing QA/QC/ product development formulation/regulatory affairs functions.  
knowledge of cosmetics, health and beauty aids manufacturing preferred.  
prior experience in a compounding department ideal.

#### Technical Strengths:

must have experience developing formulas for personal care products (body lotions, shampoos, body gels and conditioners).  
• good knowledge of GMP's, SOP's OHS and HPFB regulations and application of NHP regulations.

#### Management Style:

pro-active; solves problems, hands-on  
can manage multitude of projects in parallel  
team player/builder; flexible, can motivate and provide direction to a multicultural team  
can function with minimal supervision; ability to influence others.  
high energy; self-starter  
self-confident; self-motivated

### Contact:

**Ron Cuperfain**  
**RE:Search Associates**  
416-784-4137  
[cuperfain1704@rogers.com](mailto:cuperfain1704@rogers.com)

## 2) Canadian Custom Packaging- Analytical Chemist

**Reports to:** Quality Assurance Manager

**Type of position:** Contract (Maternity Leave)

### **General Position Description:**

This position is responsible for a *wide range of quality control and assurance activities* relating to the approval of raw materials, packaging materials and finished products. Chemists could be involved in GMP and non-GMP laboratory and manufacturing processes.

### **Key Duties and Responsibilities:**

- Test raw materials
- Test finished product
- Calibrate equipment
- Issue lot numbers
- Conduct quality checks
- Operate lab equipment (HPLC, GC, UV etc.)
- Complete lab documentation (including product release when acting as QAM designate)
- Document methodology
- Prepare samples
- Prepare reagents, test solution
- Ensure that laboratory and production equipment are maintained to a standard that is both safe and complies / conforms to all Customer, statutory and regulatory requirements.
- Critically evaluate current procedures and initiate continuous improvements while maintaining an efficient Quality Control operation
  - o Prepare / modify / maintain SOP's and related work instructions
- Prepare reports based on results of testing and investigations.
  - o Identify root causes and appropriate preventive actions including documentation of out of spec situations e.g. (*production deviations, OOS, change control, product rework, Customer complaints*)

### **Knowledge, skills and work experience requirements:**

Practical experience in area of responsibility

Familiarity with pharmaceutical regulatory process and QMS, GMP, HPFBI, ISO and GLP

### **Key Competencies:**

Proactive, organized:

Prioritizes and organizes daily work to meet overall deadlines

Manages own time to meet short term objectives

Analytically minded. Problem solver

### **Educational requirements:**

BSc, chemistry preferred

### **Application Process:**

All interested applicants should apply on line at: [ccp@cdncustompackaging.com](mailto:ccp@cdncustompackaging.com)

Interview will be arranged for qualified applicants



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## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains

technical papers on topics of interest to cosmetic scientists and is distributed six times per year.



**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.

**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.

## NEWSLETTER POSTING DATES FOR 2012

Here are the dates for 2012 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 17th
- ◆ March 6th
- ◆ May 3rd
- ◆ August 30th
- ◆ October 11th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at <http://www.ontarioscc.org/newsletters.htm>

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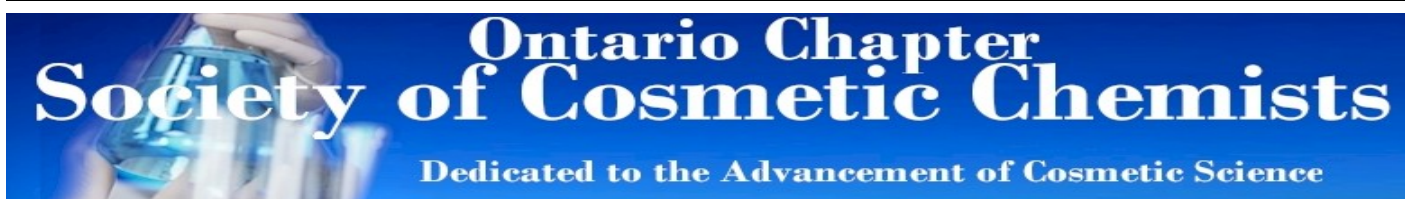
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## UPCOMING EVENTS

February 2nd, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- <i>“Developing Fair Trade Personal Care Products – Challenges and Opportunities”</i> - Ed Matson
March 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- Regulatory Update
May 15th & 16th, 2012 Raritan Centre, Edison New	Supplier’s Day 2012
May 24th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- <i>“Colour Trend Development “</i> -Katja Petri
May 31st & June 1st, 2012 Charleston Marriott, South Carolina	SCC Annual Scientific Seminar
July 17th, 2012 Caledon Woods Golf Club	SCC Ontario 11th Annual Golf Tournament
September 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- Education Day
November 1st, 2012 SCC Ontario Chapter Meeting-	SCC Ontario Chapter Meeting- TBA
November 30th, 2012 The Venetian, Vaughan ON	16th Annual Holiday Dinner Dance



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## MEMBERSHIP

For those who would like to become members, yearly fees are \$140 US. Applications are available from your Executive Committee or on-line at [www.SCCOnline.org](http://www.SCCOnline.org).

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

# SCC

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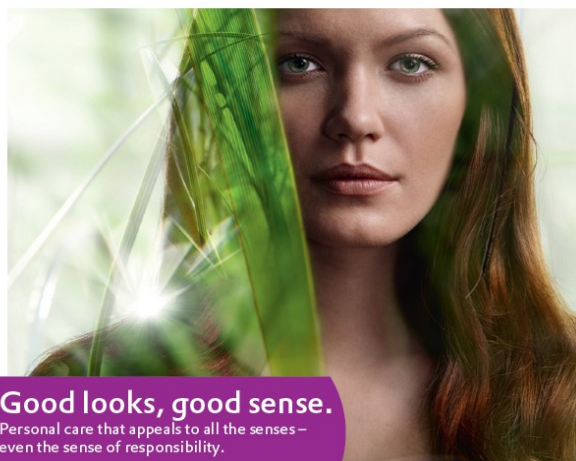


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SCC Ontario Chapter

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<http://www.ontarioscc.org/meetingquestionnaire.htm>

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# NORTHERN HIGHLIGHTS

## The SCC Ontario Chapter's Newsletter

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135 Shuh Avenue  
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March 2012

Volume LII

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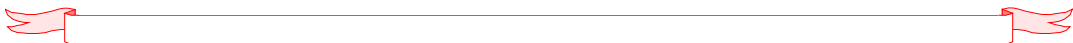
## First Day of Spring Regulatory Update Meeting!!

**TUESDAY MARCH 20th, 2012**

**Cost for the day:**

**MEMBERS —FREE (pre-registration Required)**

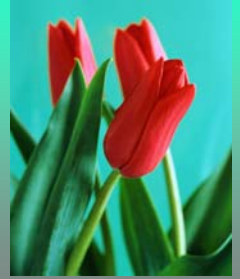
**NON-MEMBERS —\$100 (pre-registered)**



# First Day of Spring Regulatory Update Meeting!!

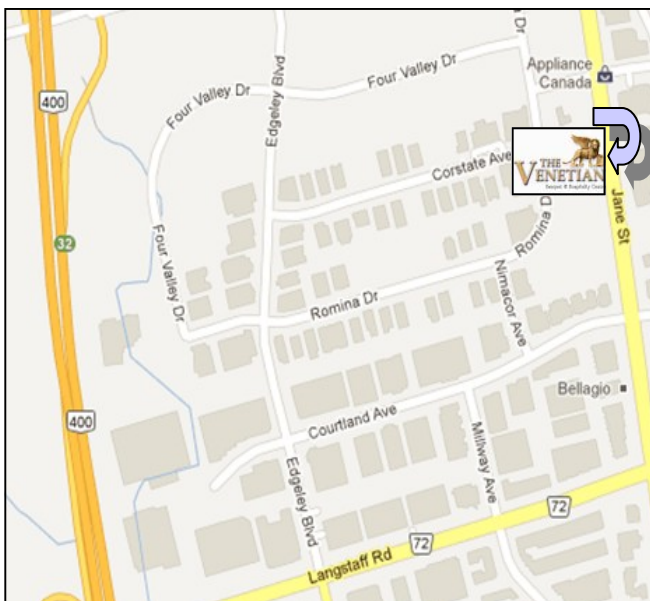
**TUESDAY MARCH 20th, 2012**

**Cost for the day:**  
**MEMBERS —FREE (pre-registration Required)**  
**NON-MEMBERS —\$100 (pre-registered)**



**Location:** The Venetian Banquet & Hospitality Centre  
219 Romina Drive, City of Vaughan,  
ON, L4K 4V3 (tel: 905-264-9960)

<b>Time:</b>	<b>8:30-9:00 am</b>	<b>Registration</b>	
	<b>9:00- 10:15 am</b>	<b>Lucille Van Baaren -Estee Lauder</b>	<b>Regulatory Update EU</b>
	<b>10:15-10:45 am</b>	<b>Break</b>	
	<b>10:45-12:00 noon</b>	<b>Teena Warrin -Croda Canada</b>	<b>Regulatory Update Canada</b>
	<b>12:00-1:00 pm</b>	<b>Lunch</b>	
	<b>1:00-2:15 pm</b>	<b>David Steinberg -Consultant</b>	<b>Regulatory Update USA</b>
	<b>2:15-2:30 pm</b>	<b>Break</b>	
	<b>2:30-3:45 pm</b>	<b>David Steinberg -Consultant</b>	<b>Preservatives</b>
	<b>3:45-4:00 pm</b>	<b>Q&amp;A</b>	



## PRE-REGISTRATION IS REQUIRED

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. If you are a non-member payment is accepted at the door and pre-registration is required. Please make your reservation prior to March 16th, 2012.

To make your reservation today contact Gary at:

[gary@geandb.com](mailto:gary@geandb.com)

or by fax at (519) 896-7350 OR on-line at:

<http://www.ontarioscc.org/registration.htm>



## **Abstract #1**

### **EU Cosmetics Regulation EC/1223/2009 – What You Need to Know and Do**

With the new EU Cosmetics Regulation's effective date of July 11, 2013, the implementation phase is entering into the critical stage. The European cosmetics trade association, Cosmetics Europe, has been working with the European Commission Working Groups for the past 2 years on implementing guidelines. Important decisions and preparations need to be reviewed and made by companies in order to ensure compliance with the new regulatory requirements. Highlights of these aspects will be covered so you may know:

- and understand the legal roles and responsibilities along the supply chain
- the new electronic product notification process
- identify nano-materials and the conditions requiring pre-notification of products containing them
- what needs to be updated and enhanced in the product information files/safety reports
- the reporting of serious undesirable effects to the authorities
- the common criteria for product claims

## **Bio:**

Lucille Van Baaren serves as Vice President, Global Regulatory Affairs for The Estee Lauder Companies. She is responsible for worldwide regulatory compliance for the 29 Estee Lauder branded products, actively participates as a corporate representative and is chair of both the International EU Subcommittee and the Environment Air Quality committees of the cosmetic trade association, the Personal Care Products Council. Lucille has been involved in product safety and regulatory compliance for over 30 years. Prior to her joining The Estee Lauder Companies fourteen years ago, she has worked at Calvin Klein Cosmetics Company for ten years, having responsibilities for worldwide cosmetic, environmental and occupational regulatory compliance as well as ensuring consumer satisfaction related to products, sales and service. She was also Manager of Regulatory Affairs for Avon Products and worked at Lever Brothers in the Department of Toxicology as a research toxicologist responsible for their product safety programs.

Lucille received her undergraduate degree from Hood College, Frederick, Maryland and an MS in Pharmacology/Toxicology from the School of Pharmacy, St. John's University, New York.

## **Abstract #2**

The presentation will cover the many impacts of CEPA '99 on the raw materials used in our Industry. Topics covered will include: the Chemicals Management Plan, In Commerce List and Environmental Assessment Regulations. Information and resources will be provided for managing these challenges. Updates on current issues of Nanomaterials, Cosmetics Regulations and NGO Activity can also be expected.

**Bio:**

Teena Warrin is the Product Safety and Regulatory Affairs Manager at Croda Canada Ltd. This year marks her 20<sup>th</sup> in the chemical distribution industry. Throughout that time Teena has been an active member of the Canadian Association of Chemical Distributors (CACD) Regulatory Affairs Committee, serving as committee chair from 1998 to 2000.

In 2002, Teena joined Croda Canada where she submitted some of the very first Environmental Assessment packages for Food and Drug Act regulated substances and became engaged in the ICL Revision process. Teena is a member of the CCTFA Environment Committee, the Formulated Products Industry Coalition and remains active on the CACD Regulatory Affairs Committee. In 2008, Teena also took on the role of Co-Chair of the Environmental Assessment Working Group. She sits on two of the group's sub-committees that are currently making recommendations to Health Canada regarding the ICL and the future of Environmental Assessments in Canada. When Teena is not reading government proposals or catching flights to Ottawa, she spends her time volunteering at her sons' school and has recently taken up running.

**Abstracts 3 & 4:**

David's regulatory update will focus on the major changes to sunscreens and registrations in California. His preservatives talk will cover the latest CIR and SCCS Reports and the topic of "natural" preservatives.

**Bio: David C. Steinberg**

In 1995 founded Steinberg & Associates, Inc., a consulting company that specializes in cosmetic regulations, labeling, preservation and sunscreens. He has over 40 years experience in the cosmetic industry. He founded the Masters Degree program in Cosmetic Sciences at Fairleigh Dickinson University and taught there from 1982 to 2000. He is a member of the American Chemical Society, Society of Cosmetic Scientists, Institute of Food Technologists, Regulatory Affairs Professional Society, and is a Fellow member of the Society of Cosmetic Chemists. In 1991 he was the President of the US Society of Cosmetic Chemists. From 1992-5 he served on the Presidium of the International Federation of Societies of Cosmetic Chemists.

In 2009, he was named as a Fellow in the Regulatory Affairs Professional Society. He is the first person who specializes in cosmetics and topical drugs regulations to be so honored.

In 2006, he founded the Cosmetic Preservative Council and is the Executive Director.

In 2008, he established Report Reaction, LLC to assist companies in complying with new adverse effect reporting rules.

He has written 5 books including Preservatives for Cosmetics, The Guide to the European Cosmetic Regulations, and has authored many papers and chapters in books. He has lectured worldwide on how to preserve cosmetic products, regulations and many other topics. Since 1995, he has written a regular column on Cosmetic Regulations for Cosmetics & Toiletries magazine.



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## Industry News

### THE DEWOLF COMPANIES TO ACQUIRE TEMPO CANADA INC.

**March 5, 2012 — WARWICK, RI** — The DeWolf Companies (DeWolf Chemical, Inc. – Glenn Corporation) proudly announce that they have entered into an agreement to acquire Canadian specialty chemical distributor Tempo Canada Inc., headquartered in Oakville, Ontario in metro Toronto with regional offices located in Montreal, Quebec. A March 30, 2012 transaction date is anticipated.

With this acquisition, The DeWolf Companies are now strategically positioned to offer one channel to the Personal Care, Color Cosmetic and HI&I markets throughout North America. The synergies of the combined organizations will allow the organization to capitalize on the significant growth opportunities that exist in the Canadian Personal Care and HI&I markets.

“The DeWolf Companies have had a strong desire to expand our business model into Canada. With the acquisition of Tempo Canada, we are now in the position to fully execute our strategic vision” **said Hank DeWolf, President and CEO – The DeWolf Companies.** “Since its inception 28 years ago, Tempo Canada has been providing the Canadian market with a similar approach in supplying specialty chemicals. By combining forces, we will be able to maximize the potential of each of our companies, offering an overall distribution advantage for the North American market.”

“We are proud to have The DeWolf Companies guide Tempo into its next phase of growth,” **said Eno Agro.** “Like us, The DeWolf Companies are a family-owned business with core values built upon integrity and decency. I look forward to watching the company I started 28 years ago grow alongside DeWolf Chemical and Glenn Corporation.”

Similar to the markets served by DeWolf Chemical and Glenn Corporation, Tempo Canada’s sales and marketing efforts are focused on Personal Care, HI&I, nutrition. Tempo Canada Inc. will retain its name and identity in the marketplace and will continue to operate as a separate stand-alone entity with its own sales, supply chain and customer service teams operating from its existing offices and facilities; identical to how DeWolf Chemical and Glenn Corporation operate today.

“The DeWolf Companies have experienced consistent revenue and earnings growth over the past 10 years. With the acquisition of Tempo Canada we are positioned to continue our steady and sustainable growth throughout the North American market,” **continued DeWolf.**

The DeWolf Companies are a group of technical service and marketing oriented distributors of specialty chemicals with a principal focus on the North American Personal Care, Color Cosmetic and HI&I markets.

Each of The DeWolf Companies operates under a similar business model centered around providing leading technical services combined with a marketing oriented approach.

A technically competent and marketing driven orientation differentiates us. They give us the competitive advantage to provide our customers with technologically advanced formulating solutions that are competitively aligned with market trends and industry focus.


To learn more about The DeWolf Companies and its subsidiaries please visit us at [www.dewolfchem.com](http://www.dewolfchem.com) [www.glenncorp.com](http://www.glenncorp.com) or [www.tempoca.com](http://www.tempoca.com)

#### For more information contact:

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The DeWolf Companies  
401-434-3515  
[hdewolf@dewolfchem.com](mailto:hdewolf@dewolfchem.com)

#### Press contact:

Julia Hernandez  
Marketing Manager  
The DeWolf Companies  
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## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[ahalasz@hunteramenities.com](mailto:ahalasz@hunteramenities.com)

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# Trivia (answers on pg 18)

- 1) How many bones are in an adult human body
  - a. 306
  - b. 266
  - c. 206
  - d. 166
- 2) How many bones are in an infant's body?
  - a. 306
  - b. 206
  - c. 300
  - d. 266
- 3) The number of bones in both human and infant body are:
  - a. The same
  - b. Less in infant – some bones have not developed yet
  - c. More in infant – Some bones in infants skulls have not yet fused together.
- 4) How many eye lashes does an average adult have on upper lid
  - a. 50-99
  - b. 100-200
  - c. 201-300
  - d. 301+
- 5) There are \_\_\_\_\_ lashes on the lower lid
  - a. More
  - b. Less (75-100 lashes)
  - c. Same
  - d. Varies from person to person
- 6) Where does sound travel faster?
  - a. Water.
  - b. Air
- 7) What type of organism makes up the oldest known fossil?
  - a. Blue-green algae from South Africa at 3.2 billion years old
  - b. Plant material from Europe at 4 billion years old
  - c. Animal skeleton from Asia at 3.2 billion years old
  - d. Algae from North America at 4.2 billion years old
- 8) True or false- most of the dust in your home is made of human skin?
  - a. True
  - b. False
- 9) How much human skin is in the dust?
  - a. 10%
  - b. 25%
  - c. 50%
  - d. Up to 70%
- 10) Sterling silver is pure silver?
  - a. True.
  - b. False
- 11) How much Copper is present in Sterling Silver
  - a. 0%
  - b. Up to 4%
  - c. Up to 7.5%
  - d. Up to 15%
- 12) Can you lick your elbow?
  - a. Yes
  - b. No. Now be honest, did you try?
- 13) In terms of attributed human deaths which are more dangerous
  - a. snakes
  - b. bees
  - c. sharks
  - d. house flies ( They are vectors for disease causing bacteria.)
- 14) If you go into space, do you get taller?
  - a. No
  - b. Yes
- 15) What is the hardest substance in the human body?
  - a. Skull
  - b. Tooth enamel
  - c. Nails
  - d. Bones
- 16) What is trepanning?
  - a. A term used in Horse Jumping competition
  - b. An ancient way to make soap
  - c. An ancient form of medicine A term used in construction
- 17) Obsidian is this type of rock:
  - a. sedimentary rock
  - b. metamorphic rock
  - c. Igneous rock
  - d. It is not a rock
- 18) When and where was the abacus invented?
  - a. About 1000 years ago in Asia by the Chinese monks
  - b. At least 2000 years ago, in Mesopotamia, most likely by the Babylonians.
  - c. At least 2000 years ago in Asia most likely by the Chinese monks
  - d. About 500 years ago in Europe by the monks
- 19) What does TCP/IP stand for?
  - a. Transcription Control Protocol / Internal protocol
  - b. Transmission Conversion Protocol / Internet Protocol
  - c. Transmission Control Protocol / Internet Protocol
  - d. Transduction Conversion Protocol / Internal Protocol
- 20) What survives impacting Earth's surface
  - a. A meteor,
  - b. An asteroid?
  - c. A Meteorite.
- 21) Your body's temperature rises slightly during digestion?
  - a. True
  - b. False
- 22) What does the Scoville Heat Unit Scale measure?
  - a. Temperature of glass
  - b. The heat of chilies
  - c. The coldness of gas
  - d. The heat of sun
- 23) What's the highest recorded surface wind speed?
  - a. 500km/h
  - b. 372km/h
  - c. 299km/h
  - d. 150kg/h
- 24) Where are the three smallest bones in the human body?
  - a. In the fingers and toes
  - b. In the middle ear.
  - c. In the spine
  - d. In the pelvis
- 25) What is the name of the layer of air closest to us in the atmosphere?
  - a. Erthosphere
  - b. Troposphere
  - c. Stromtosphere
  - d. Locosphere
- 26) What temperature and pressure is needed to convert graphite into a diamond?
  - a. 3000 degrees celsius and 100,000 atmospheres.
  - b. It is impossible
  - c. Too high to measure
  - d. 4000 degrees Celsius and 50,000 atomospheres
- 28) Lightning is hotter than the Sun
  - a. False, sun is 2 times hotter than the lightning
  - b. False, Sun is 10 times hotter than the lightning
  - c. True, Lightning is 3 times hotter than the sun
  - d. True, Lightning is 10 times hotter than the sun
- 29) Which chemical causes the burning taste sensation when eating chilies?
  - a. Capcaicin
  - b. Capalcaicin
  - c. Chilcaicin
  - d. None of the above
- 30) How much salt does the average human body contain?
  - a. Around 100 grams.
  - b. Around 250 grams.
  - c. Around 400 grams
  - d. More than 500 grams
- 31) Which metal is liquid at room temperature?
  - a. Mercury
  - b. Potassium
  - c. Cadmium
  - d. Tin
- 32) Why do bubbles pop?
  - a. They get too dry from the surrounding air
  - b. They get flooded with liquid
  - c. They get too old and the film disintegrates
- 33) When lightning hits a tree the water inside the tree boils and expands, blowing the tree apart?
  - a. True.
  - b. False
- 34) If I kept walking in a straight line on a flat surface with no visible features, is it possible to walk in circles eventually?
  - a. True
  - b. False
- 35) What do you get if you mix all light colours?
  - a. Black
  - b. Rainbow
  - c. White
- 36) What is the symbol for Silver?
  - a. Si
  - b. Sv
  - c. Ag
  - d. Ga

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# MERIT AWARD PRESENTED

The SCC Ontario executive committee is proud to announce that **Andy Halasz** has been awarded the SCC National Certificate of Merit!



As a founding member of the SCC Ontario Chapter going back to 1995 Andy has been a very important part of the Chapter for many years . Andy has held the chair position twice over the last 17 years and more recently has served as our Director of Speakers.

There have been six other SCC National Certificate of Merit handed out in the Chapters 17 year history. Previous recipients include Kathie Taylor, Sharon Robertson, Cheryl Kunka, Gary Baker, Dennis Zuccolin and Rob Quinlan .

The board would like to thank Andy for all his hard work over the years and congratulate him on his award!

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The ideal candidate will have a high school diploma with 4 years experience or bachelors of Science with 2 years experience in a lab. Ability to effectively read, write and understand the English language. Thorough knowledge of MS office. Must be able to multi task and work under minimum supervision.

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## COLOUR COSMETIC SPECIALIST

### **Purpose and Scope**

To assist the Research & Innovation Centre with:

- A) Development of new and innovative formulations in colour cosmetics with main focus on powder category not excluding other areas in accordance with cosmetic regulations and global counterparts.
- B) Design and development of processes and procedures that supports the flow from the lab to scale up production to optimize the manufacturing procedures.

### **Responsibilities**

- \*Development of new and innovative products in colour cosmetics with main focus on powder category (eyeshadow, blush, pressed powder and loose powder) not excluding other areas.
- \*Research into new / innovative raw materials & technologies for development of new products.
- \*Review and/or develop specifications for new products for suitability with existing manufacturing systems and feasibility of other advanced technologies.
- \*Assist and support the R&I Chemists, Analysts and Assistants in trouble shooting/problem solving.
- \*Fostering and maintaining a network within the cosmetic industry to establish valuable relationships and resources that will benefit our organization with leading edge technology and market trends.
- \*Work closely with Product Development, Sales & Marketing and R&I personnel on concept / idea generation for new and innovative products to ensure consistency and compliance with clients' expectations.
- \*Support new product introduction to the plant through robust manufacturing procedures and product standardization.
- \*Continue to maintain awareness of market trends and understanding of competitive products and technologies as they relate to cosmetic field.
- \*Provide integrated support for all new developments throughout the manufacturing operations.
- \*Perform other R&I duties as required.

### **Job Requirements:**

#### A. Education and Experience

- \*Bachelor of Science Degree in Chemistry or related field with minimum of five years experience at the supervisory/managerial role.
- \*Strong hands-on development experience and knowledge of colour cosmetic formulations specially in powders.
- \*Excellent technical and practical knowledge of raw materials, and related technologies in cosmetic industry.
- \*Excellent understanding and working knowledge of analytical instruments for conducting physical/chemical testing for cosmetic applications.
- \*Good technical knowledge of unit operations, equipment and processes used in manufacturing plants.
- \*Good understanding of design of experiments and statistics.

### **Other Skills:**

- \*Ability to troubleshoot and has excellent problem solving skills.
- \*Strong interpersonal and verbal / written communication skills; self-motivated; highly organized and detail-oriented with the \*ability to work in a fast paced environment.
- \*Must have strong supervisory and time management skills.
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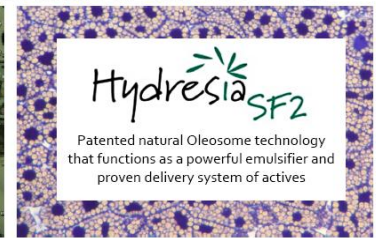
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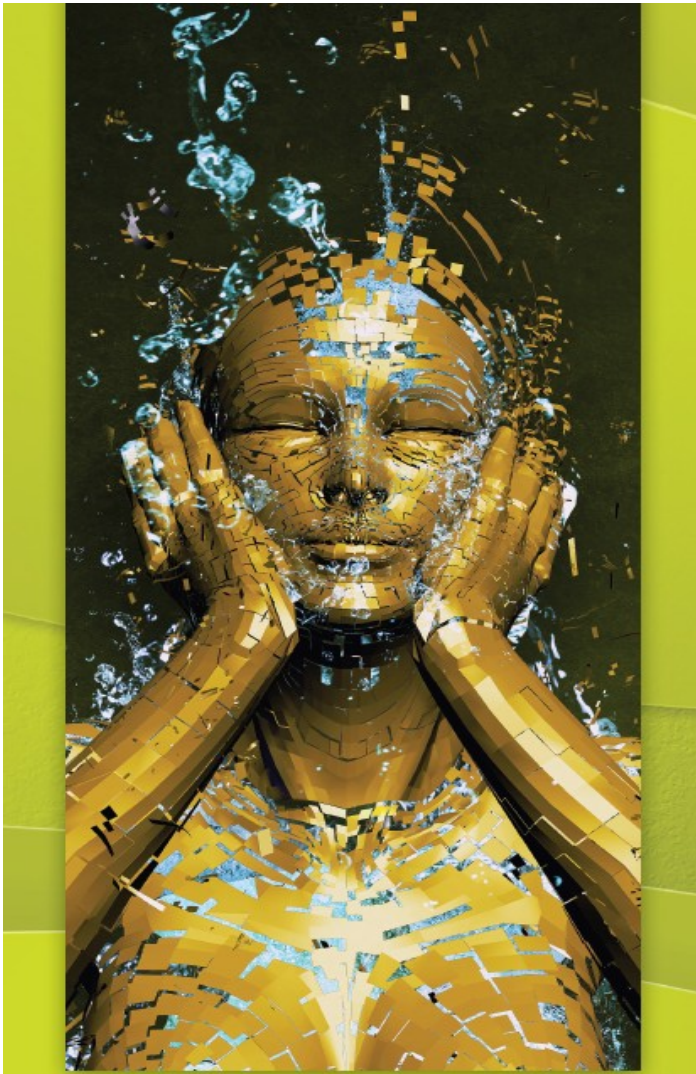
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## NEWSLETTER POSTING DATES FOR 2012

Here are the dates for 2012 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 17th
- ♦ March 15th
- ♦ May 3rd
- ♦ August 30th
- ♦ October 11th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at

<http://www.ontarioscc.org/newsletters.htm>

## Address Changes??



Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive Important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

<http://www.sconline.org>



## Trivia Answers (see page 9)

1c .206	13d.house flies ( They are vectors for disease causing bacteria.)	25b.Troposphere
2c .300	14b. Yes (the cartilage disks in your spine expand under zero gravity).	26a.3000 degrees celsius and 100,000 atmospheres. (That's 10132500 kPA, at least 20,000 times more pressure than the pressure inside the average bike tire!)
3c.More in infant – Some bones in infants skulls have not yet fused together.	15b.Tooth enamel	27c.True, Lightning is 3 times hotter than the sun
4b.100-200	16c.An ancient form of medicine (it involved making holes in human skull to relieve pressure)	28a.Capcaicin
5b.Less (75-100 lashes)	17c.Igneous rock	29b.Around 250 grams.
6a.Water.	18b.At least 2000 years ago, in Mesopotamia, most likely by the Babylonians.	30a.Mercury
7a.Blue-green algae from South Africa at 3.2 billion years old	19c.Transmission Control Protocol / Internet Protocol	31a.They get too dry from the surrounding air
8a.True	20c.A Meteorite.	32a.True.
9d.Up to 70%	21a.True	33a.True (People often favor one leg over the other. It is possible that over time the discrepancy between the two leg strides may indeed cause you to walk in circles)
10b.False	22b.The heat of chilies	34c.White (Technically adding all colours of light together is called colour addition.)
11c.Up to 7.5%	23b.72km/h (Over Mt Washington, New Hampshire on April 12, 1934.)	35c.They get too dry from the surrounding air
12b.No. Now be honest, did you try?	24b.In the middle ear. (Collectively called ossicles, the 3 bones are the Malleus (hammer), Incus (anvil) & Stapes (stirrup)).	36a.True.

**Congratulations to the winning table** at our February 2nd meeting comprised of Gagan Jain, Ilyas Ghazi, Craig Broijer, Julia Cottle, Lou Pennachetti, Nilay Shah and Karen Des Tombe



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# Cosmetic Formulating Checklist

by Perry Romanowski on 03/13/2012

Whenever you begin a formulating project there is a variety of information you need to establish before doing anything else. Some of these things will be obvious and easy but others might be challenging especially if you have to get your marketing department to make a decision.



Remember, on some level formulating is a team sport.

But here is a handy checklist that any cosmetic formulator could use to speed up their formulating efforts and ensure that they have the best chance for success.

## **Cosmetic Product Profile**

The product profile is intended to establish the goals that you are trying to achieve with your product. It should include information about Aesthetics, Performance, Cost, Claims and Packaging.

### **Cosmetic aesthetics**

The specific characteristics will depend on the type of formula you are making, but in general you should have targets for all the following parameters. Since your marketing people will typically be the ones guiding the development you will need to work with them on picking the benchmark and most of these other characteristics.

1. Benchmark standard – A product that you are trying to match.
2. Color
3. Intensity of color
4. Clarity – (opaque, clear, hazy)
5. Special effects (e.g. pearled, glitter or not)
6. Consistency – Liquid, Gel, Solid, etc.
7. Rheology / viscosity
8. Product odor (fragrance benchmark)

### **Cosmetic performance**

These characteristics depend on what you want the product to do. Your ability to come up with measurements or targets depends on your ability to test these characteristics. These can be instrumental tests or trained panel tests. We can't list them all but here are some standard characteristics for most types of products.

### **Cleansing products**

1. Foam volume
2. Foam height
3. Foam density / feel
4. Level of cleansing
5. Feel of surface after cleansing (hair or skin)
6. Level of moisturizing / conditioning
7. Drying rate
8. Other...

Cont next pg

### **Moisturizing products**

1. Feel upon application (greasiness, dryness, tackiness)
2. Speed of rub-in
3. Immediate moisturizing level
4. Shine
5. Skin moisturization score

### *For hair products*

6. Ease of combing
7. Flyaway levels
8. Hair breakage reduction
9. Speed of rinsing

### **Styling products**

1. Hair workability
2. Level of hold

### **Formula cost**

Before you start any formulation work, you need to know how much money you have for creating the product. Typically, you will cost a formula out in terms of how much it costs per pound (kilogram) or how much it costs per unit (depends on package size).

1. Total formula cost limit

### **Cosmetic claims**

An important thing to consider while in the early stages of formulation is the types of claims you want to make. This will help you choose feature ingredients and make you decide what characteristics you need to build into the formula.

Some of this work can be done after formulating but the more you can get done before you actually start to work, the easier your formulating efforts will be.

1. Ingredient claims
2. Performance benchmark claims
3. Competitive product claims
4. Product claims demonstrations

### **Packaging**

When formulating it is imperative that you know what type of package the product will be put into. This will affect many of the aesthetic characteristics you choose in the first section.

1. Primary container form
2. Size
3. Type
4. Material of container
5. Container pigment
6. Package supplier
7. Type of closure
8. Material of closure

### **Formulating checklist**

For each product you could come up with a specific list that is applicable. This checklist provides a starting point which you can expand upon. Putting together this list prior to formulating and getting your marketing or management to agree to the decisions made will greatly improve your chances of creating an excellent formulation that pleases everyone in your company. And hopefully, it will please your consumers too.



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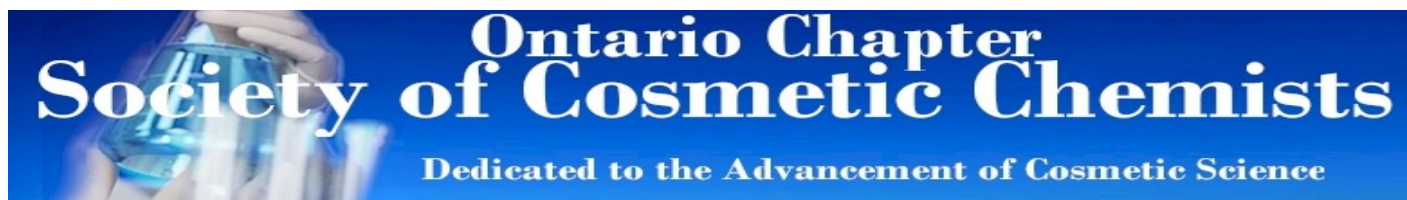
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## UPCOMING EVENTS

March 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Regulatory Update
May 15th & 16th, 2012 Raritan Centre, Edison NJ	Supplier's Day 2012
May 24th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- "Colour Trend Development " -Katja Petri
May 31st & June 1st, 2012 Charleston Marriott, South Carolina	SCC Annual Scientific Seminar
July 17th, 2012 Caledon Woods Golf Club	SCC Ontario 11th Annual Golf Tournament
September 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Education Day
November 8th , 2012 SCC Ontario Chapter Meeting-	SCC Ontario Chapter Meeting– TBA
November 30th, 2012 The Venetian, Vaughan ON	16th Annual Holiday Dinner Dance



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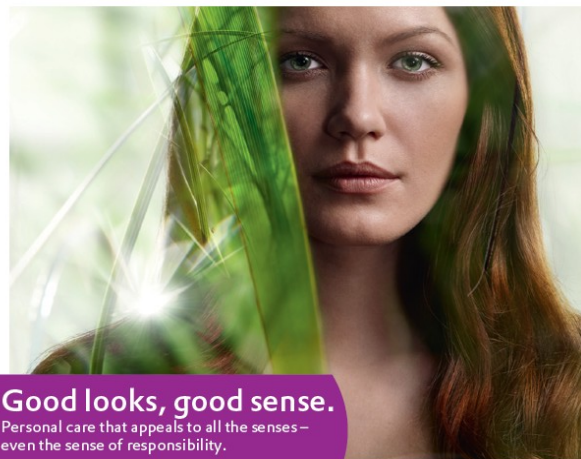
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135 Shuh Avenue  
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May 2012

Volume LIII

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## SCC ONTARIO CHAPTER MEETING

THURSDAY MAY 24TH, 2012

*"Trends and trend colors Origin – Influences – Development and the role effect pigments play in that process"*

-Katja Petri

### PRE-REGISTRATION IS REQUIRED FOR CHAPTER MEETING.

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to May 21st, 2012.

Please note:

Should you register and not attend you will be invoiced the meeting fee.

Students must have their payment in by Monday prior to the meeting. To make your reservation today contact Gary at:

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# SCC ONTARIO CHAPTER MEETING

THURSDAY MAY 24TH ,2012

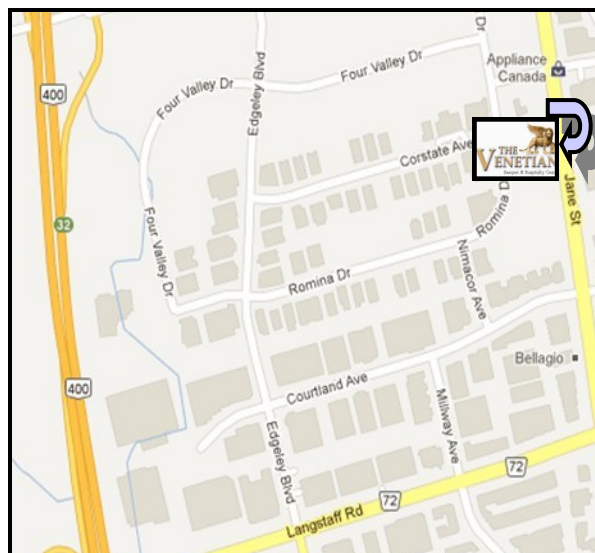
*“Trends and trend colors Origin – Influences – Development and the role effect pigments play in that process”*

-Katja Petri

**Location:** The Venetian Banquet & Hospitality Centre  
219 Romina Drive, City of Vaughan,  
ON, L4K 4V3 (tel: 905-264-9960)

**Time:** 5:00 p.m. Cocktails  
6:00 p.m. Dinner  
7:00 p.m. Presentation  
8:00 p.m. Adjournment

**Fees:** \$45 pre-paid SCC member  
\$55 pre-paid non-member  
\$10 pre-paid student  
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## Abstract:

This presentation will focus on how trend colors are developed at ECKART. We will open the doors for a look behind the scenes: which industries we look at and where we get our inspiration from. We will focus on how trends arise and our visions for future trends; what role effects pigment play, and whether one can create a trend that works globally. Lastly, we will present ECKART's color trends for the season of Autumn/Winter 2013/14.

## Bio:

Katja Petri has an integral role with the cosmetic and personal care team at Eckart GmbH; an international manufacturer of effect pigments. She studied tourism business with a strong focus on marketing and human resources at Hochschule Harz - University of Applied Sciences in Wernigerode, Germany. In 2006, Katja joined ECKART's widely established coatings department and worked as a marketing assistant. Within that time she mainly concentrated on market research and analysis, as well as on intercultural aspects that have to be considered for a customer oriented approach. In 2010, Katja took over marketing responsibilities for the cosmetic business line. She uses her strong marketing and business skills to develop trend colors and trend concepts twice a year. Her ideas help serve the sales force and our customers to provide inspiration and innovation in the field of decorative cosmetics and the personal care arena.

## Scholarship Student Presentation

One of our Scholarship Students, Terri Stortz has agreed to give a brief presentation on her research program at our May meeting. The presentation details are as follows;

**Abstract:** Formulation of Ethylcellulose Thixotropic Oleogels for Cosmetic Applications

Ethylcellulose (EC), a derivative of cellulose, is capable of producing oleogels when heated with mixing to above its glass transition temperature which is around 145°C. Oleogel refers to a gel with vegetable oil as the solvent phase. EC oleogels have been found to be exceedingly variable depending on a multitude of factors including oil type (fatty acid profile), EC molecular weight and concentration, and addition of surfactants as plasticizers. Unfortunately, these gels may break and lose functionality when shear is applied. Therefore, this research focussed on developing a strategy for imparting EC oleogels with desirable thixotropic properties. Thixotropy is a term used to describe materials that show decreasing apparent viscosity and decreasing shear stress over time when held at a fixed shear rate, and exhibit a regeneration of structure when the shear is removed. The regenerated structure allows for partial or full viscosity recovery. This research concentrated on utilizing a unique combination of surfactant, oil, and EC to produce a thixotropic gel with the end goal of preparing a product for hand and lip that can be used in place of products which contain large amounts of petrolatum such as petroleum jelly.

Such a gel was developed by combining vegetable oil and glycerol monooleate at a ratio of approximately 1:1 (w/w) with 5-10% EC and heating with stirring. The set gel has excellent clarity, gloss, spreadability, moisture barrier properties, and can fully recover its viscosity after being sheared. Similar results were observed with various oils however, changing the surfactant used led to great differences in the viscosity and proportion of viscosity recovery of the gels. It was also found that the viscosity of the gel could be modified by changing the concentration or molecular weight of the EC. The combination of oil and surfactant in a specific ratio has been used successfully to produce an EC thixotropic oleogel. This development will prove beneficial when utilizing oleogels in cosmetic systems.

**Bio:** Terri Stortz, Alejandro G. Marangoni  
Department of Food Science, University of Guelph





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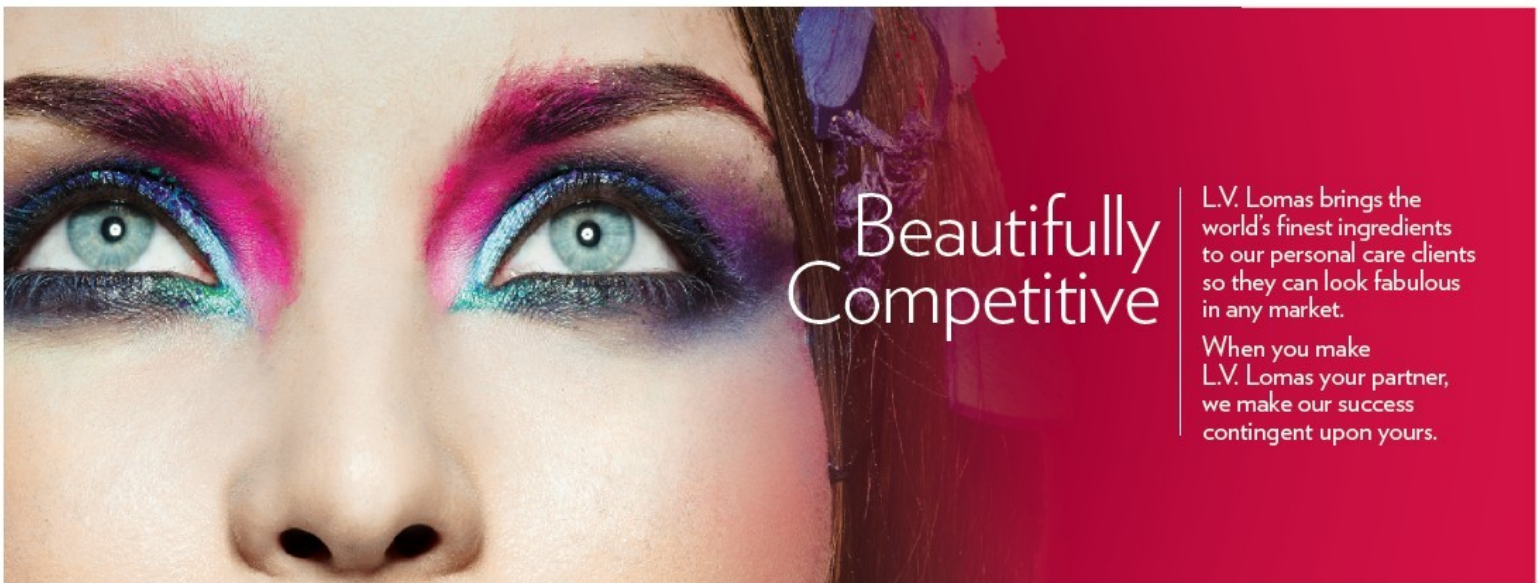


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## Industry News

**Gattefossé Canada** is proud to announce that Valerica Manea has joined the company as Account Manager for the Personal Care business in Toronto.

Valerica has a 12+ year experience in conducting projects in the Personal Care field, as a R&D lab Supervisor at CSR Cosmetic Solutions and at Cosmetica Laboratories. She has an extensive background in the design of working plans for new projects, in R&D development functions, in pre-formulation tests for Make-up and Skin Care products, in all phases of color matching, QA/QC, and manufacturing.

Her skills and experience will bring a significant contribution to the growth of the business at Gattefossé Canada

### **THE DEWOLF COMPANIES COMPLETE ACQUISITION OF TEMPO CANADA INC.**

**April 30, 2012 — WARWICK, RI —**DeWolf Chemical, Inc. and Glenn Corporation are pleased to announce the successful completion of the acquisition and operational integration of Canadian specialty chemical distributor Tempo Canada Inc.

With the completion of this acquisition The DeWolf Companies (DeWolf Chemical, Inc. – Glenn Corporation – Tempo Canada) now offer a single channel to the Personal Care, Color Cosmetics and HI&I markets throughout North America. This extension of its already substantial market reach and depth will permit the organization to capitalize on the significant growth opportunities that exist within the Canadian Beauty Care and HI&I sectors.

Tempo Canada will retain its respected brand and identity developed over 28 years of business. The company will continue to operate as an autonomous business entity with its own sales, supply chain and customer service teams strategically focused on the Canadian marketplace. Operations will continue from existing offices and facilities headquartered in Oakville, Ontario (within the Greater Toronto Area), and regional office in Montreal, Quebec. This model is consistent with the operational approach taken by DeWolf Chemical and Glenn Corporation today.

This acquisition will strengthen Tempo's position and offering in the Canadian marketplace by leveraging on DeWolf's and Glenn's market model, infrastructural efficiencies, enterprise business systems and operational best practices.

"I would like to welcome the Tempo organization and employees to the DeWolf family," said **Hank DeWolf, President and CEO – The DeWolf Companies**. "We are extremely excited about the opportunities created for the combined organization through this strategic acquisition. Having achieved our corporate objective of becoming a North American leader in our marketplace, we look forward to continuing our track record of consistent and sustainable revenue growth experienced over the past 10 years."

The DeWolf Companies are a group of technical service and marketing oriented distributors of specialty chemicals with a principal focus on the North American Personal Care, Color Cosmetics and HI&I markets.

A technically competent and marketing driven orientation differentiates us. They give us the competitive advantage to provide our customers with technologically advanced formulating solutions that are competitively aligned with market trends and industry forecast.

To learn more about The DeWolf Companies and its subsidiaries please visit us at [www.dewolfchem.com](http://www.dewolfchem.com) [www.glenncorp.com](http://www.glenncorp.com) or [www.tempoca.com](http://www.tempoca.com)

#### **For more information contact:**

Hank DeWolf  
President & CEO  
The DeWolf Companies  
401-434-3515  
[hdewolf@dewolfchem.com](mailto:hdewolf@dewolfchem.com)

#### **Press contact:**

Julia Hernandez  
Marketing Manager  
The DeWolf Companies  
954-614-1902



**2012 Annual Scientific Seminar**  
May 31 - June 1, 2012  
Charleston Marriott in Charleston, SC

**DOWNLOAD BROCHURE & PRESENTATIONS**

To download the 2012 SCC Annual Scientific Seminar. Registration brochure including the presentation titles and registration form: [http://www.sconline.org/website/forms/2012\\_Annual\\_Seminar\\_Brochure.pdf](http://www.sconline.org/website/forms/2012_Annual_Seminar_Brochure.pdf)

Online Registration: [http://www.sconline.org/website/2012\\_Annual\\_Seminar.html](http://www.sconline.org/website/2012_Annual_Seminar.html)

**For Online Registrations:** Your credit card will be charged after the SCC Office reviews your order and verifies membership status. You will be notified if any corrections need to be made. **SAVE MONEY AND AVOID LINES - PLEASE PRE-REGISTER:** Onsite Registration Fees will be \$800.00 for Members and \$900 for Non-Members for the full conference.

**FULL** registration includes admission to the Technical Sessions, the Luncheons on Thursday and Friday, the Student Poster Exhibit, and the Suppliers' Cocktail Reception on Thursday evening. **STUDENT** registration includes the Technical Sessions, Student Poster Exhibit and lunch on Thursday and Friday. **NOT** included in base registration are Continuing Education Programs, the COSA Mini-breakfasts and hotel accommodations. A discount of \$25 off the registration fee will be given if you register for the full Meeting (both days) and a Continuing Education Course.

**THURSDAY ONLY** registration includes admission to the Technical Sessions, the Luncheon on Thursday, the Student Poster Exhibit, and the Suppliers' Cocktail Reception on Thursday evening. **FRIDAY ONLY** registration includes admission to the Technical Sessions, the Luncheon on Friday and the Student Poster Exhibit.

Note: There will be no split registration for the Annual Seminar

**REGISTRANTS** may pick up their registration material beginning Wednesday, May 30th at the SCC Registration Desk between 5:00 p.m. and 7:00 p.m. Those registered for Continuing Education Programs may pick up their course registration material on the morning of the course beginning at 8:00 a.m. outside the rooms scheduled for these sessions.

**The Supplier Cocktail Reception will run from 5:00 to 7:00 p.m. on Thursday Evening at the Charleston Marriott.**

**POLICIES:** Pre-Printed badges will be made available only to those who register prior to May 23, 2012. Registrants will be included on the Pre-Registration List of Attendees after receipt of payment. Requests for refunds in writing and no later than May 4, 2012 will be granted, less a \$150 service fee. Registration fees are transferable to another registrant but not refundable after May 4, 2012. All Pre-Registration Forms must be received by Noon on Wednesday, May 23rd. Registrations received after this time will be treated as Onsite and charged the higher fee. The National Office will ship all materials to Charleston on May 24th and the office will be closed May 25th through June 4th.



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## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[ahalasz@hunteramenities.com](mailto:ahalasz@hunteramenities.com)

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- Hwy 50 north through the town of Bolton.
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**Note:** if you are traveling on Hwy 407, you must exit on to Hwy 427 North.

### From Barrie

- Hwy 400 south to Hwy 9.
- Hwy 9 west to Hwy 50.
- Hwy 50 south 8km.
- Caledon Woods Golf Club is on the west (right) side



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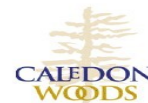
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Print Name

Signature

Date



### CORPORATE EVENTS DRESS CODE

#### Gentlemen

- A Golf Shirt with a Collar, Turtlenecks, or Mock-Neck Shirts (Shirts must be tucked in at all times)
- Casual or Dress Slacks
- Bermuda Shorts
- Caps can be worn with the peak forward
- Ankle or knee socks
- Soft Spike or Soft Soled Shoes

#### Ladies

- Golf Shirt with a Collar (Sleeveless style acceptable for women)
- Casual or Dress Slacks
- Bermuda Shorts
- Caps can be worn with the peak forward
- Ankle or knee socks
- Soft Spike or Soft Soled Shoes

#### Inappropriate Golf Course & Clubhouse Attire includes:

- Jeans of any kind, gym shorts, track / sweat suits, beach wear
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Thank you for adhering to our policy on suitable attire at each of our clubs. Any golfer who does not follow this policy will be asked to change or purchase appropriate clothing from the golf shop. If they do not comply, they will not be permitted on the course.



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# SOCIETY OF COSMETIC CHEMISTS ONTARIO CHAPTER SCC

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## SCC 12th Annual Golf Tournament

Tuesday, July 17, 2012

**Location:** Caledon Woods Golf Club (6 km north of Bolton)

**Time:** 1:00 pm Shotgun start.

**Fee:** \$185 Golf & Dinner Package  
 \$120 Golf & Lunch  
 \$ 75 Dinner-only



**Fees include:**

**Itinerary :**

18-hole green fees with carts	11:00– 12:30 Registration & Lunch
Professional tournament scoring	1:00 PM Golf - Shotgun start
BBQ lunch	5:30 PM Cocktails
Dinner	6:30 PM Dinner, & Prize Presentation
Use of practice green, locker and shower facilities	

Please indicate below the participants' name(s) and company(s):

	HOST: _____ Golf/Dinner Package <input type="checkbox"/> Golf + lunch <input type="checkbox"/> Dinner-only <input type="checkbox"/>
	GUEST: _____ Golf/Dinner Package <input type="checkbox"/> Golf + lunch <input type="checkbox"/> Dinner-only <input type="checkbox"/>
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	GUEST: _____ Golf/Dinner Package <input type="checkbox"/> Golf + lunch <input type="checkbox"/> Dinner-only <input type="checkbox"/>
Number of vegetarian meals needed _____	

- ◆ **Pre-registration is required for this event before JUNE 30th!**
- ◆ To pre-register Email [gjain@debros.com](mailto:gjain@debros.com) (cell # 416-844-2031)
- ◆ Send payment before June 30th, 2012 to:  
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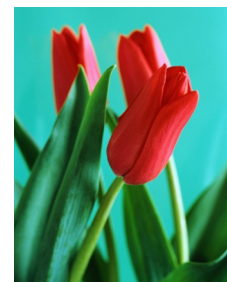
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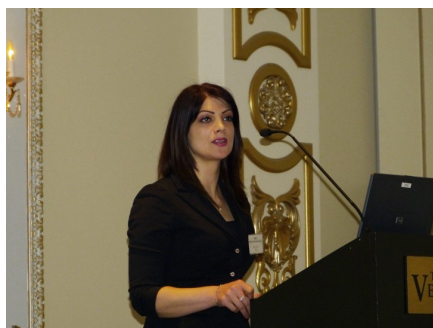


# Its springtime and “Regulations” are popping up everywhere!!

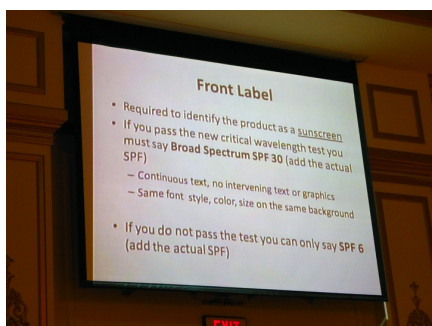


Many SCC Ontario members were in attendance for the he first day of spring this year which was the setting for an informative and long overdue update on the world of regulations!

Lucille Van Baaren ,Vice President, Global Regulatory Affairs for The Estee Lauder Companies started the day by discussing the many important decisions and preparations which need to be reviewed and made by companies in order to ensure compliance with the new regulatory requirements. She covered many aspects including understanding the legal roles and responsibilities along the supply chain, the new electronic product notification process, identify nano-materials and the conditions requiring pre-notification of products containing them. Also what needs to be updated and enhanced in the product information files/safety reports as well as the reporting of serious undesirable effects to the authorities.



Later in the morning Teena Warrin (Product Safety and Regulatory Affairs Manager at Croda Canada Ltd.) presented the many impacts of CEPA '99 on the raw materials used in our industry. Other topics included in Teena’s talk were the Chemicals Management Plan, as well as the “In Commerce List” and Environmental Assessment Regulations. Teena presented a lot of information and as well suggested resources necessary in managing these challenges. She finished up the morning with an update on current issues of Nanomaterials, Cosmetics Regulations and NGO.



Finally, following lunch, we were delighted to have David Steinberg (founder of Steinberg & Associates, Inc.) provide a comprehensive regulatory update where he focused on major changes to sunscreens and registrations in California. His presentation on preservatives covered the latest CIR and SCCS Reports and the topic of "natural" preservatives.

Presentations available at <http://www.ontarioscc.org/presentations.htm>

Photos compliments of Wayne Fretz

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## Aspirin and Heart Disease

A time-honoured medical maxim states, “primum non nocere.” That’s the way, “first do no harm” used to be taught in medical school when Latin was still part of the curriculum. Basically it means that for any medical intervention the possible benefits should outweigh any potential harm. And that goes for the most popular drug in the world. That drug is aspirin. About 4000 pills are consumed every second of every day, with a stunning total of some 100 billion tablets a year. Chemically, aspirin is acetylsalicylic acid, but the active ingredient is its metabolic breakdown product, salicylic acid. This compound occurs in nature, most famously in the bark of the white willow tree, explaining why willow bark was used as a folk remedy as early as the fifth century BC.

But salicylic acid is a potent irritant of the stomach, which is why it was replaced as a remedy in 1897 by acetylsalicylic acid, synthesized by the German chemist Felix Hoffman. Aspirin was in fact one of the earliest synthetic drugs. It quickly proved its merit as a pain killer, fever reducer and anti-inflammatory substance. And when it was discovered that aspirin reduced the risk of blood clot formation, it found a novel use in the prevention of heart attacks and strokes, both of which can involve the formation of blood clots. Patients who had suffered a heart attack were routinely given small doses of aspirin resulting in a reduced risk of a second heart attack. If that was the case, was it perhaps possible that aspirin could also reduce the risk of having a heart attack in the first place? Seemed plausible enough. Some physicians began to recommend that everyone over the age of fifty take a baby aspirin a day and many took that advice to heart. Almost a third of middle aged people now take a daily dose of aspirin, usually without giving thought to any possible risk. But there is a risk. Because aspirin is an anticoagulant, it can cause serious bleeding.

So the question is whether the chance of preventing a heart attack is greater than the risk of triggering a serious bleed. A number of studies have examined the risk-benefit ratio of aspirin for heart attack prevention. To prevent a second heart attack, there is no controversy. Taking a small dose of aspirin can reduce the risk of a second heart attack by anywhere from 20-30 percent. But when it comes to primary prevention, the story is different. People with no established heart disease can reduce the risk of any type of heart event by 10 percent and the risk of a non-fatal heart attack by 20%. That sounds great until you factor in the 30 percent increased risk of a serious gastrointestinal bleed.

A thorough analysis of nine randomized trials of aspirin use involving over 100,000 subjects revealed that 162 people have to take aspirin to prevent one nonfatal heart attack, but two of these people would suffer a major bleed. So for someone who has no family history of heart disease, has no serious risk factors such as obesity, hypertension or diabetes and is not a smoker, the risk of aspirin outweighs the benefits. Physicians are equipped to evaluate risk factors and recommend whether taking aspirin is warranted. Nobody should start taking aspirin regularly just because they heard it was a good thing to do. Surveys show that roughly 25% of people who take aspirin to prevent heart disease don’t have any risk factors for heart disease and are more likely to do themselves harm than good. They need to be reminded of “primum non nocere.”

Joe Schwarcz PhD- Director, McGill Office for Science and Society



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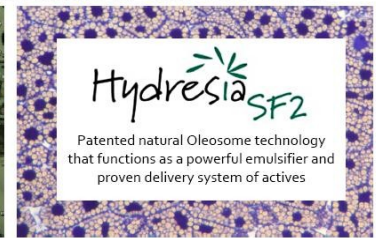
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## Programs and Privileges

**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.



**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic

## NEWSLETTER POSTING DATES FOR 2012

Here are the dates for 2012 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ♦ January 17th
- ♦ March 15th
- ♦ May 3rd
- ♦ August 30th
- ♦ October 11th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at

<http://www.ontarioscc.org/newsletters.htm>



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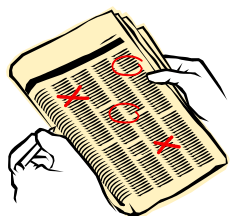
## Address Changes??



Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive Important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

<http://www.sconline.org>





## JOB SEARCH



### Compounding Manager

West GTA successful manufacturer is searching for a results-driven, hands on, self-starter to fill the role of **Compounding Manager**. The successful candidate will be detail oriented with experience in supervising all compounding, pre-weigh, hazardous and non-hazardous waste, storage & tank farm operations. Prior experience supervising a compounding department while driving continuous improvement in a fast pace, full service manufacturing are critical.

#### Capabilities and Expectations for Success:

- Through key subordinates, coordinate all compounding activities to ensure the daily production schedule is achieved in a reliable and efficient manner.
- Ensure all record keeping is conducted and completed according to cGMP and customer requirements.
- Develop and implement procedures to prevent compounding or material handling errors. Work closely with QA/QC Department to investigate deviations and implement appropriate corrective actions as needed.
- Ensure all compounding personnel follow cGMP and engage in good housekeeping practices.
- Continuous improvement activities to optimize existing processes, procedures and batching instructions, evaluate, design and install process systems that will improve compounding capability and productivity.
- Accountable for accurate usage of chemical raw material and finished bulk product.
- Maintain inventory on all equipment and safety supplies needed for the department. Manage the work schedule to ensure proper staffing for un-interrupted support of production lines across all shifts.
- Provide a safe working environment and promote safety awareness to ensure no injuries and zero lost time accidents.

Ensure compliance with proper PPE.

#### Ideal Qualifications

- Bachelor Degree in Chemistry or other Engineering discipline preferred. 10+ years batch processing experience may be considered in lieu of degree
- A minimum of 5-10 years of compounding experience supervising compounding or chemical processing operations.
- Experience in an OTC drug environment is a plus.
- Computational & analytical skills. Able to use MS Office software applications including Excel, Word, and Outlook proficiently.

Technical strengths in product quality assurance, knowledge of Quality Standards and experience in liquids product packaging standards, cGMP regulations a plus.

Interested and qualified candidates send cover letter and resume to [mtag@live.ca](mailto:mtag@live.ca). Only those qualified for an interview will be contacted.

### Account Manager, Care Chemicals

BASF Canada, a leader in the global markets of chemical manufacturing and distribution has an immediate opportunity in the Care Chemicals unit.

#### **Major Responsibilities:**

Manage and develop sales at assigned customers  
Prepare detailed Account Plans  
Coordinate all sales activities to optimize business interaction  
Prepare annual budgets  
Participate in business events

#### **Qualifications**

**Education:** Bachelor of Science, Chemistry Preferred (continued on next pg.)

**Experience:**

Knowledge of the Cosmetic, Personal Care, Household Cleaning, and Industrial and Institutional Cleaning industries and the major trends and key drivers affecting these industries.

**Competencies:**

Strong results orientation, with proven track record of consistent sales achievement.  
Demonstration of strong customer focus, and ability to build strong relationships at multiple levels.  
Ability to effectively sell complex solutions.

To the right individual, we can offer an excellent benefits package, a competitive compensation and incentive plan, and training opportunities. If you meet the requirements and are interested in joining this progressive organization that focuses on quality and customer commitment to excellence in all business areas, please submit your cover letter and resume on-line to [HRinbox2@basf.com](mailto:HRinbox2@basf.com), reference "EM-SCC Mississauga".

**"You can be part of an inclusive team of diverse talent and character. In this diversity lies our greatest strength."**

**Canadian Custom Packaging**– Quality Assurance Inspector (Afternoon Shift)**General Position Description:**

This position is responsible for QA inspection of incoming raw materials, packaging materials and packaging components used in the manufacture of finished products to ensure materials are within specification and documentation is complete and correct.

**Key Duties and Responsibilities:**

- Quality inspection work primarily involves sampling, measuring and verifying that incoming materials meet pre-determined quality standards. (QA standards, protocols, regulations, including customer specified requirements)
- Conduct routine inspections by established procedures
- Document and report results, including materials release, in a timely manner to Production and Laboratory personnel, (as appropriate) to permit them to meet scheduled commitments
- Collect and maintain retain samples
- This position is also responsible for in-process, start-up inspections and line clearance activities in support of second shift manufacturing.
- QA inspection can also include responsibility for finished goods; to ensure shipments, pallets are properly packaged for sales and distribution.
- Ensure all decisions are based on quality assurance incorporating GMP and quality controls necessary for product to meet the required standards
- Maintain the workplace in an organized, clean and safe environment.

**Knowledge, skills and work experience requirements:**

Practical experience in area of responsibility, Quality assurance inspection.

**Key Competencies:**

Proactive, organized:

Ability to multitask , prioritize and organize daily work to meet overall deadlines

Need to be detail oriented, understand the importance for complete and accurate documentation

Ability to work independently on tasks with little supervision

Effective verbal, written and interpersonal communication skills

Educational requirements:

Post-secondary education in Chemistry or Chemistry Technology

Application Process:

All interested applicants should apply on line at: [ccp@cdncustompackaging.com](mailto:ccp@cdncustompackaging.com)

Interview will be arranged for qualified applicants



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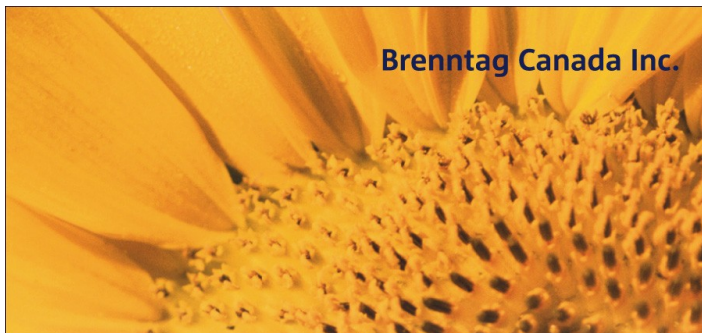
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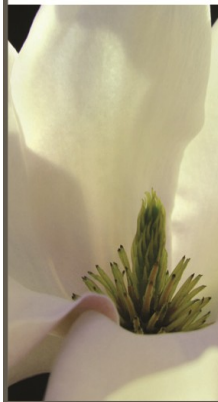
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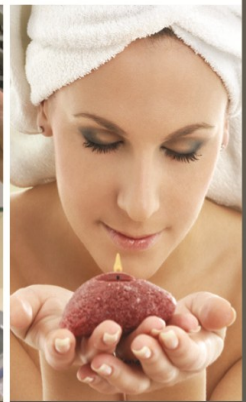
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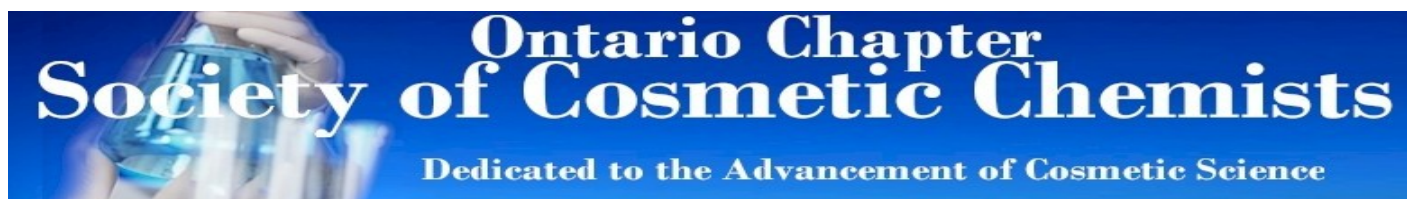
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## UPCOMING EVENTS

May 15th & 16th, 2012 Raritan Centre, Edison NJ	Supplier's Day 2012
May 24th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- "Colour Trend Development" -Katja Petri
May 31st & June 1st, 2012 Charleston Marriott, South Carolina	SCC Annual Scientific Seminar
July 17th, 2012 Caledon Woods Golf Club	SCC Ontario 11th Annual Golf Tournament
September 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting- Education Day
November 8th, 2012 SCC Ontario Chapter Meeting-	SCC Ontario Chapter Meeting- TBA
November 30th, 2012 The Venetian, Vaughan ON	16th Annual Holiday Dinner Dance



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## MEMBERSHIP

For those who would like to become members, yearly fees are \$140 US. Applications are available from your Executive Committee or on-line at [www.SCCOnline.org](http://www.SCCOnline.org).

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

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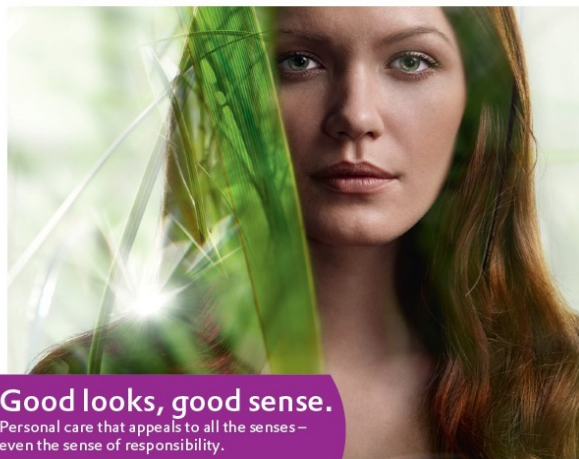
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135 Shuh Avenue  
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September 2012

Volume LIV

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## SCC ONTARIO EDUCATION DAY COURSE

### “Advanced Emulsions”

-Robert Lochhead, Ph.D.

THURSDAY SEPTEMBER 20TH, 2012

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### PRE-REGISTRATION IS REQUIRED FOR EDUCATION DAY

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to September 17th, 2012.

Please note:

Should you register and not attend you will be invoiced the meeting fee.

Students must have their payment in by Monday prior to the meeting. To make your reservation today contact Gary at:

[gary@geandb.com](mailto:gary@geandb.com)

or by fax at (519) 896-7350 OR on-line at:

<http://www.ontarioscc.org/registration.htm>



# SCC ONTARIO EDUCATION DAY COURSE

## “Advanced Emulsions”

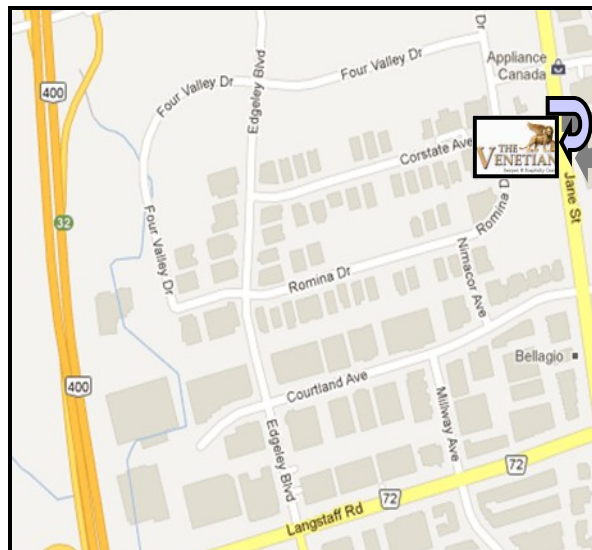
-Robert Lochhead, Ph.D.

THURSDAY SEPTEMBER 20TH, 2012

**Location:** The Venetian Banquet & Hospitality Centre  
219 Romina Drive, City of Vaughan,  
ON, L4K 4V3 (tel: 905-264-9960)

### About The Instructor

ROBERT LOCHHEAD, Ph.D. is Director and Professor of Polymer Science at the University of Southern Mississippi. Prior to joining the University. Dr. Lochhead was R&D Manager, Hydrophilic Polymers, B.F. Goodrich. Dr. Lochhead has served as Chair of the Committee on Scientific Affairs and was SCC President.



**Registration** will begin at **9:00 am** and the course will start at **9:30am**. **Lunch** will be provided at noon and we will finish up around **4:30 p.m**

**NOTE: A certificate will be awarded for the completion of this day course!**

**-Costs for the day-**  
**\$75 for members**  
**\$130 for non-Members**  
**\$30 for students**

## COURSE OUTLINE

### FUNDAMENTALS OF EMULSIONS

This will be a non-mathematical course aimed at increasing the understanding for emulsion formulators, processors and users.

- Emulsion basics (o/w, w.o, w.o.w)
- Stability testing
- Raw material basics (thickeners, emulsifier, “oils” preservatives, specialty additives, etc.)
- Manufacture/procedures
- Special topics (Low Energy Emulsification, PIT, water solubilization, HLB)
- Formulation basics
- Formulation review of commercial products

### HOW EMULSIONS ARE FORMED

- The fluid dynamics of emulsions
- Factors which determine ultimate droplet size

### ROUTES TO EMULSION STABILITY

- The role and limitations of ionic charge
- HLB and Phase Inversion Temperature
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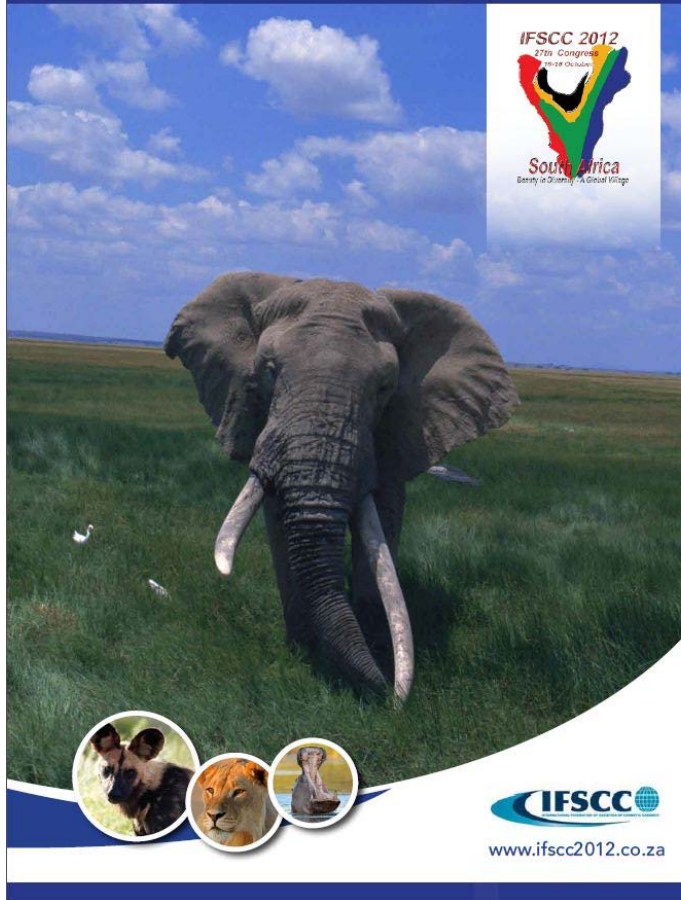




## Trends Through The Ages

- In the world of fashion history, what is a "Banyan"?
  - An 18<sup>th</sup> century robe for men
  - An 18<sup>th</sup> century fancy ladies hat
  - A 17<sup>th</sup> century sleeping suit for babies
  - A 19<sup>th</sup> century bag for men
- Which best describes an Empire Dress, originating in the 1800s:
  - A long sleeved robe dress
  - A tight fitting silk tunic
  - A long elegant dress with high waistline
  - A dress which borrows details from a man's shirt
- What instrument was William Croft, 18<sup>th</sup> century composer and musician, best known to play:
  - The violin
  - The harp
  - The flute
  - The organ
- Popular in the early days of the "old West", what type of hat is this:
  - Bowler
  - Akubra
  - Bucket
  - Gatsby
- What is a glengarry?
  - A rounded rigid helmet with a small brim predominantly used in workplace environments
  - A traditional Scottish boat-shaped hat
  - A tall cylindrical military cap, usually with a visor, badge, and plume.
  - Also known as the 1858 Dress Hat. Regulation hat for Union soldiers during the American Civil War
- What Beatles song was their first #1 hit on the US Billboard Hot 100 chart?
  - I want to hold your hand
  - Twist and Shout
  - A hard day's night
  - Let it be
- Which 1960s clothing designer is known to have introduced the mini-skirt?
  - Paco Rabbane
  - Mary Quant
  - Oscar de la Renta
  - Yves Saint-Laurent
- What 1970s television show had the theme song, Love Is All Around?
  - Bewitched
  - Dallas
  - Hogan's Heroes
  - Mary Tyler Moore
- Who was the top-selling album artist(s) of the 1970's according to US Billboard?
  - Elton John
  - The Bee Gees
  - Bob Dylan
  - Queen
- Which fitness guru, who was an early contributor to the aerobics craze of the 1980s, also launched the "Deal-A-Meal" food program?
  - Jack LaLanne
  - Jane Fonda
  - Richard Simmons
  - Denise Austin
- Poison, Guns 'n Roses and Warrant were part of a rock movement that had a big influence on fashion in the mid-80s. What was their contribution to fashion trends called?
  - New wave
  - Grunge
  - Hair metal or hair bands
  - Punk rock
- Actress Kelly LeBrock uttered the immortal phrase "Don't hate me because I'm beautiful" in a late-80s advertisement for which product?
  - VO5 conditioner
  - Pantene shampoo
  - L'Oreal cosmetics
  - Neutrogena skin care
- On the popular 90s TV show "Friends", what was the name of Ross' monkey?
  - Martin
  - Martha
  - Marcel
  - Montey
- Which two New Kids on the Block were brothers?
  - Jordan and Jonathan
  - Donny and Marky
  - Danny and Donny
  - Joey and Donny

# 3RD ANNOUNCEMENT



27th International Federation of Societies of  
Cosmetic Chemists Congress  
15 - 18 October 2012

## 3rd Announcement

Honoured Reader,

The International Federation of Societies of Cosmetic Chemists and the Society of Cosmetic Chemists South Africa cordially invite you to attend the 27th IFSCC Congress at the Sandton Convention Centre between the 15th and 18th October 2012 to experience "Beauty in Diversity - A Global Village".

International members of the IFSCC have taken advantage of this platform to put forward new scientific advances in the Cosmetic field. The Congress programme features experts and topics from around the globe and we encourage you to attend this once in a lifetime experience on South African soil.

We are privileged to host the 27th IFSCC Congress. Let the Global Village join us as we share our knowledge. I welcome you to our beautiful country to experience Beauty in Diversity first hand.

Roy Gardiner  
Chairman of the Congress Organising Committee



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**SCC  
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Renewal notices for 2013 membership were sent out in August. The second notices will be sent early October and final notices will be sent end of November. Dues fees are US\$130.00.

**Please note you can now renew ON-LINE! Go to [www.SCCOnline.org](http://www.SCCOnline.org) and follow the links.**

**Members who do not renew by December 31st will be made inactive.**

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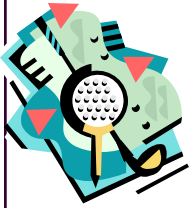
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## 12<sup>th</sup> Annual SCC Ontario Chapter Golf Tournament

It was expected to be the hottest day of the summer and it certainly turned out that way on July 19<sup>th</sup> when our 12<sup>th</sup> annual SCC Ontario Chapter Golf Tournament was held at **Caledon Woods Golf Club** north of Bolton! As a "Club Link" course our SCC members were well taken care of by the staff. We had a wonderful turnout with 113 attendees which included both golfers and dinner guests!

To all the golfers who attended, again thank you for your participation.

Esteemed winners of our two flights were as follows:

**FLIGHT A:** Craig Broijer, Doug Morin, Sam Maduri, Tim Ewing

**FLIGHT B:** Dag Enhorning, Chuck Wojtas, Steve Richards, Rob Quinlan

We also held five skills competitions. The most skillful of our group were:

Longest Drive Ladies: Jemma Racine  
Longest Drive Men: Dag Enhorning  
Closest to the Pin Men: Craig Hubbard  
Closest to the Pin Women: Caitlin Vanderkolff  
Closest to the Line (Men & Ladies): Ravi Padalia

No matter how large or small the event, there is always a lot of work that goes into it and this golf tournament is no exception. A special thank you goes out to **Gagan Jain and Craig Broijer**, for their time and effort in organizing this grand event. Next year's plans are already in the works, and the date will be July 23rd in Caledon again!

Again we thank our good friend **Wayne Fretz** who took a great series of pictures at the event which can be viewed at;

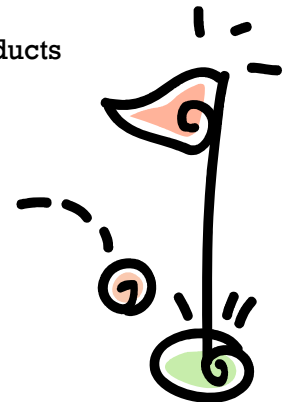
<http://www.ontarioscc.org/gallery15.htm>

### A special THANK YOU to our valued contributors...

Support of this event was overwhelming, and thanks to the generosity of our suppliers and manufacturers almost every golfer finished the day with a prize.

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**Unemployed membership is free of charge by submitting the renewal form with unemployment details.**



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## Industry News

### TEMPO CANADA HIRES NEW SUPPLY CHAIN COORDINATOR

**August 13, 2012 — OAKVILLE, ON** — Tempo Canada is proud to announce the appointment of Shirley Ameen to the position of Supply Chain Coordinator. Within this role, Shirley will control inventory, purchasing and logistics in support of Tempo's strategic plan for growth.

Shirley brings a strong background into this position with over 10 years of experience in purchasing and production planning. Most recently, she held the position of Production Planner and Shipping Coordinator at Premier Candle Corporation where she was responsible for overseeing inventory control and logistics from forecasting and production through to customer delivery. Prior to joining Premier Candle, Shirley held Production Coordinator positions at Seidensticker Overseas Limited of Germany as well as Epic Designer Ltd. of Hong Kong.

She has a Bachelor's Degree in Industrial Engineering and is a member of the Purchasing Management Association of Canada (PMAC).

"With her strong understanding of business operations Shirley is an excellent fit for Tempo and only strengthens our ability to provide options and solutions for our customers while focused squarely on supporting their innovation and growth" says Hank DeWolf, President and CEO.

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## Trivia Answers (from pg. 5)

1.a

2.c

3.d

4.a

5.b

6.a

7.b

8.d

9.a

10.c

11.c

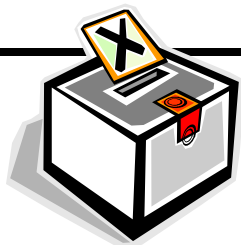
12.b

13.c

14.a



...to the winning table at our May 24th meeting comprised of Katja Petri, Amy Marshall, Tom Heinar, Chetan Desai, Lannie Garcia, Dorothy Maraprossians



# SCC ONTARIO CHAPTER ELECTIONS!

## 2013 SCC Ontario Chapter Board Elections

It is time for elections of the 2013 SCC Ontario Chapter Board Members. We have two positions open for election this year: Chair-Elect and Treasurer.

Elections are open to all General Members of the SCC Ontario Chapter. Ballots will be distributed at the September 20th Education Day.

If you have any questions, please contact one of the current board members listed on the front page. The newly elected board members will be introduced and installed at the November 8th, 2012 meeting. Thank you in advance for showing up to vote! Your support of the SCC Ontario Chapter is greatly appreciated.

### 2013 SCC Ontario Chapter Candidates

Position	Name	Phone	Email
Chair-Elect	Andrea Boylan	905-795-0911	andrea.boylan@andicor.com
Treasurer	Gary Baker	519-896-1168	gary@geandb.com

#### Chair-Elect: Andrea Boylan

Andrea is the National Market Manager for consumer care at Andicor Specialty Chemicals. After graduating with a Bachelor of Science from the University of Guelph, Andrea had joined Amisol Company Ltd. With five years of sales experience in the cosmetic industry in Ontario, she then moved to Croda Canada where she held the position of Technical Sales Representative for Ontario and Western Canada for over four years. Andrea has been a board member of the SCC Ontario Chapter for almost ten years and has previously held the elected positions of Secretary and Chair.

#### Treasurer: Gary Baker

Gary Baker has a BSc. in Chemistry and a BA in Computer Science from the University of Guelph. He has worked in the Cosmetic Industry since 1993 and has been actively involved with the SCC Ontario Chapter for the past seventeen years holding various positions on the executive from Chair to Newsletter Editor. With 12 years experience in the role of treasurer Gary looks forward to continuing his involvement with the executive by again taking on this important responsibility for another 2 year term. Gary is also a past recipient of the Ontario Chapter Merit Award in recognition of his distinguished contributions, achievements and service to the Chapter over many years



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Remember Bugs Bunny's classic question, "What's up Doc?" Well, I'll tell you what's up. Carrot consumption! Why? Because those polyethylene-bagged cute little baby carrots are extremely appealing. No peeling, no washing, ready to eat. Office workers are snacking on them, TV viewers are reaching for them, and they're even showing up in children's lunchboxes. That's just great, since studies about the benefits of carrots just keep rolling in. Harvard researchers, for example, recently found a strong inverse relationship between diets rich in carrots and the incidence of stroke. Women who ate five or more servings of carrots weekly had a 68% lower risk. When 124 lung cancer patients who were not regular smokers were compared with 235 controls in terms of what they ate, carrots were seen to offer the best protection against the disease. But now some consumers are having second thoughts about eating baby carrots because of some Internet drivel being spread around. Let's investigate.

To start with, where do these babies come from? What is their lineage? Well, that depends. Some baby carrots are just that. They're pulled out of the ground when they are still small, before they develop a woody taste. But the majority of the tiny carrots we snack on are not baby carrots at all, but "baby-cut carrots." The parents of these babies could be said to be a cutting machine and a peeling machine. They actually start out life as fully grown carrots, but end up being cut into 5 cm long pieces before being fed into a machine that grates off the outer layer and rounds off the ends. The process was the brainchild of Mike Yurosek, a California farmer who got tired of consigning carrots to feed for pigs and cows because they were too misshapen to sell to consumers. In some cases two thirds of a crop ended up as animal feed. So Yurosek devised a way to salvage the ugly carrots by cutting and reshaping them into the charming baby carrots. Beast to beauty, as it were. Not only did Yurosek manage to make three little carrots out of one big one, he managed to triple the price at the same time. Now, that is good business.

The largest carrot grower in the U.S is Grimmway, producing nine million pounds of carrots a day from 35,000 planted acres. Company officials noted Yurosek's success and recognized the potential of increasing profits by cutting carrots. So they decided to buy out Yurosek and Grimmway quickly became the largest producer of baby-cut carrots. No longer were deformed carrots condemned to be eaten by pigs, they ended up in people's mouths. Consumers flocked to buy the little baby carrots that could be eaten straight out of the bag without a need for peeling. And as is often the case these days, when a product becomes popular, the Internet quacks decide to throw a monkey wrench into the works.

Those little carrots are poisoning us, they scream! The "proof" is the white discoloration that often taints their appearance! This, they say, is the "toxic" chlorine that was used to wash the little guys, now emerging from its hiding place. Humbug! While it is true that sometimes the carrots are rinsed in a dilute solution of chlorine or chlorine dioxide in order to do away with bacteria, the process has nothing to do with the white discoloration, known in the trade as "carrot blush." This is the result of two separate factors. Moisture loss from the surface of the carrot roughens the surface and causes light to be scattered, giving a white appearance. This can be reversed by moistening the carrot. Blush can also occur when abrasion damages cells on the surface releasing an enzyme (phenylalanine ammonia-lyase, if you must know) that causes small molecules called phenols to join together to form lignin, an important structural substance in plants. It too scatters light and gives a white appearance. This is not reversible. Neither of these whitening effects has anything to do with the safety of eating a carrot.

So is there any safety issue at all? Rare allergies do occur. A 37 year old man, for example, reported weakness in the legs, generalized itching and a change in his voice 20 minutes after drinking a glass of carrot juice. He claimed that this had happened on two previous occasions. Adrenalin and steroids were needed to treat the problem. Generally, though, even people who are allergic to raw carrots can readily tolerate cooked ones. Other problems are even more rare. In a fascinating report, an article in *The British Journal of Addiction* describes the case of three patients who suffered withdrawal symptoms when they tried to give up eating carrots. Apparently one of them, a 40 year old man, ate about five bunches a day in an attempt to give up smoking. But when his skin turned orange he decided he better give up the carrots as well. He couldn't! He became very irritable when the carrots were taken away. Interestingly, carrots do contain a psychoactive compound called "myristicin," which may explain the addiction in this case. Of course most people do not eat enough carrots to experience this effect, although undoubtedly some have given it a valiant effort.

We cannot leave a discussion about carrots without mentioning their effect on vision. There actually is a connection. A possible cause of night blindness is a deficiency in vitamin A. Carrots do not contain any of this vitamin, which is found only in animal products. But carrots do contain beta-carotene, a compound the body can convert to vitamin A. So if someone is suffering from night blindness due to a vitamin A deficiency, the situation can indeed be remedied by eating carrots. However, that doesn't mean carrots will make you see better if you are not vitamin A deficient. But even if they don't improve your vision, it is certainly better to nibble on carrots than on potato chips or candy bars. The purveyors of the nonsense about discolored carrots being toxic are actually doing harm by scaring people away from a healthy snack. Maybe if they ate more carrots they could see things more clearly.

Joe Schwarcz- Director, McGill Office for Science and Society





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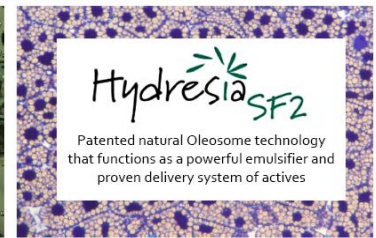
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## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[ahalasz@hunteramenities.com](mailto:ahalasz@hunteramenities.com)

## NEWSLETTER POSTING DATES FOR 2012

Here are the dates for 2012 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 17th
- ◆ March 15th
- ◆ May 3rd
- ◆ August 30th
- ◆ October 11th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at

<http://www.ontarioscc.org/newsletters.htm>



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## Address Changes??



Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive Important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

<http://www.sconline.org>

## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS



The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to Canadian University, College or High School students. In the past, the \$1000.00 award has been presented to students from the University of Toronto, University of Waterloo and University of Guelph. The program began in 2003 and 14 students have received awards in the past.

The program is open to any student planning to complete research related to cosmetic science. Interested students are invited to submit a brief one page research outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@maccosmetics.com](mailto:dzuccoli@maccosmetics.com). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and/or make a brief oral presentation on their research at a chapter meeting.



The Ontario Society of Cosmetic Chemists is pleased to announce that a \$1000.00 Research Scholarship has been approved for Cendy Wang at the University of Guelph. We look forward to hearing more about her research on petroleum-free structured emulsions and an outline of her research is provided below.

### **Petroleum-Free Structured Emulsion for Cosmetic Applications**

Fan (Cendy) Wang, Department of Food Science, University of Guelph

Recently there is increasing consumer concerns regarding potentially toxic petroleum-based cosmetic products. It has created a sizeable opportunity in the green cosmetics area. These cosmetics are inevitably then based on agricultural product, namely vegetable oils, polysaccharides, emulsifiers and proteins. My long-term research objective is to create petroleum-free, stable and aromatic green cosmetic products. This is a very big challenge since many natural materials are not as stable as petroleum-based ones.

Former research in our lab results in the development of a structured emulsion, which is used by the baking industry to eliminate trans fats and reduce saturated fats. However, we also discovered that a water-rich version of this emulsion had extraordinary cosmetic properties. The structured emulsion is non-oily smooth and extremely pleasant. Initial market surveys have indicated that the potential is there for success. Two big challenges still remain, however. The stability of the emulsion is short-lived. After 6 weeks, the emulsifier used in the formulation undergoes a phase transition from alpha gel to coagel, which results in the release of water from the system. My primary research goal is to prevent this from happening by stabilizing the hydrated lamellar phase (alpha gel) form of the emulsifier, which will give this product a longer shelflife. The other challenge is microbial stability. Since the product is 70% water and fully edible, it is important to prevent fungal growth. Different antifungal agents and strategies need to be assessed, such as the addition of potassium sorbate. Last but not least, the oil (soy and/or canola) must be stabilized against oxidation by the judicious use of antioxidants. We will access a variety of natural antioxidants, such as alpha-tocopherol (vitamin E, which will also be appealing to the consumer. After solving these stability issues, the commercialization of this product will follow rapidly. Consumers will finally have access to a truly petroleum-free and safe moisturizing cream, which can be safely used by infants and people with allergies to traditional cosmetic products.





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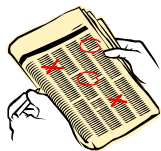
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# JOB SEARCH



## Unipex Solutions Canada- Account Manager Personal Care

Job Type : Experienced Account Manager

Description:

Position reports to the Sales Manager – Personal Care.

Responsible for increasing our sales in the personal care market primarily in Ontario (possibly also in BC) by working closely with chemists and consulting formulators to ensure Unipex products are used in new cosmetics and personal care preparations. Candidate will engage and develop relationships with contacts ranging from chemist & purchasing through executive levels to uncover and solve problems and create opportunities.

The successful candidate is results oriented, requires minimal supervision, has strong organization and time management skills that ensure complete territory coverage. The candidate must also possess effective communication skills (spoken and written) in English.

No relocation is available for this position

Requirements:

### Basic/Minimum Qualifications:

- Bachelor's degree
- Minimum of 3-5 years successful sales experience

### Preferred Qualifications:

- Bachelor's degree in Chemistry, Biology or Biochemistry preferred
- Experience selling chemicals
- Successful track record managing a large territory requiring some travel
- Good communication and organizational skills in English
- Experience working with formulators and chemists

Interested applicants can contact Dorothy Maraprossians at [dorothy.maraprossians@unipex.com](mailto:dorothy.maraprossians@unipex.com) or (905) 601 8766

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**Autumn Harp, located in Burlington, Vermont**, is a premier OTC licensed developer and manufacturer of personal care items for select brands and retailers. Our talented and fast-paced team provides exceptional service and quality to our clients who range from major global corporations to independent brands.

### The Position:

Autumn Harp seeks our next talented industry seasoned professional, with a proven track record of successful formulation launches, to be our Research and Development Formulations Chemist in Burlington, Vermont.

### Key Responsibilities:

- Develop personal care and cosmetic products
- Interface regularly with the customer, as well as internal departments
- Manage multiple projects
- Ability to work with anhydrous formulas and/or emulsions

### Experience & Skills Required:

- ~10 years of experience with facial product formulations
- Enjoys working independently
- Enjoys being a partner in business development activities with customers
- Can manage multiple projects
- Consistently meets customer deadlines and expectations
- Extensive experience at formulating natural facial skincare products; experience with SPF would be preferred, but not required
- The pace at Autumn Harp is **FAST** due to the nature of "turn-key" custom manufacturing therefore, our new Chemist must be able to appreciate our quick turn-around times on samples and prototypes
- Demonstrably smart, introspective and imaginative with strong intuitive sense, coupled with proven technical skills
- Have a successful track record in working in a team environment
- Excellent interpersonal skills

Ability to travel occasionally

### Education Needed:

Bachelor's degree in Chemistry

*-We offer competitive compensation, generous benefits, and a truly great place to work.*

Please send a cover letter and resume to:

Autumn Harp, 26 Thompson Drive, Essex Junction, VT 05465

[Jobs@autumnharp.com](mailto:Jobs@autumnharp.com)

[www.autumnharp.com](http://www.autumnharp.com)

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***We have a vacancy for an Account Manager for our Health & Personal Care group, based in the Greater Toronto Area, with a territory focused on Personal Care:***

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We offer growth opportunities to our employees and shareholders through sustained profitability. We believe in promoting from within the organization which provides the opportunity to grow as an individual. Our managers have an open-door policy which contributes to the fact that many of our employees have been with the company for more than 15 years.

We expect our employees to be professional and passionate about our business. In return we provide a great workplace that offers opportunities for personal growth, commensurate recognition and reward for outstanding performance.

We offer an excellent benefits package which includes an incentive plan, pension plan, health benefits, employee assistance program, company vehicle etc.

### ***Responsibilities include:***

Developing sales with both new and existing customers in addition to maintaining existing customers in the sales territory.

### ***Qualifications:***

- ◆ Post secondary or college degree in Sciences or cosmetic chemistry would be an asset
- ◆ Minimum 3-5 years directly related sales experience (preferably in the personal care market)
- ◆ Willingness to travel 40 % of the time (overnight)
- ◆ Proven computer skills
- ◆ Self-motivated, entrepreneurial and able to work independently
- ◆ Excellent interpersonal, communication, and presentation skills
- ◆ Excellent organizational and problem solving skills
- ◆ Valid drivers license

If you are interested in joining our team and meet the qualification above, please send your resume, with a letter of intent to: [resume@quadra.ca](mailto:resume@quadra.ca) (reference: Account Manager, Personal Care).



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# UPCOMING EVENTS

September 20th, 2012 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Education Day
November 8th , 2012 SCC Ontario Chapter Meeting-	SCC Ontario Chapter Meeting– TBA
November 30th, 2012 The Venetian, Vaughan ON	16th Annual Holiday Dinner Dance
February 7th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
March 26th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Regulatory Meeting TBA
May 30th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
June 6-7, 2013 Union Station Marriott St. Louis, MO	2013 Annual Scientific Seminar
July 23rd, 2013 Caledon Woods Golf Club	SCC Ontario 13th Annual Golf Tournament
September 19th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Education Day
November 7th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
November 29th, 2013 The Venetian, Vaughan ON	17th Annual Holiday Dinner Dance

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$140 US. Applications are available from your Executive Committee or on-line at [www.SCCOnline.org](http://www.SCCOnline.org).

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

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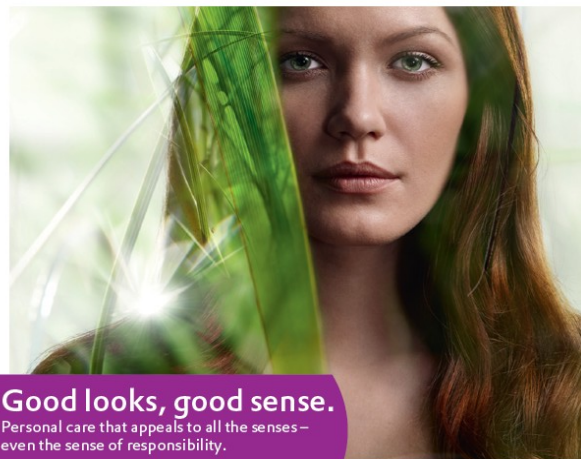
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# NORTHERN HIGHLIGHTS

## The SCC Ontario Chapter's Newsletter

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135 Shuh Avenue  
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October 2012

Volume LV

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## SCC ONTARIO CHAPTER MEETING

**"Preservatives: Why and How "**

Joseph Dallal, L.C., M.Sc.

**THURSDAY NOVEMBER 8TH ,2012**

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### PRE-REGISTRATION IS REQUIRED FOR NOVEMBER MEETING

If you prefer you can reserve a spot by email or fax. Send us a note that you will be there. We will confirm receipt of your reservation. You can then either bring the payment with you or put it in the mail. Please make your reservation prior to November 5th, 2012.

Please note:

Should you register and not attend you will be invoiced the meeting fee.

Students must have their payment in by Monday prior to the meeting. To make your reservation today contact Gary at:

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# SCC ONTARIO CHAPTER MEETING

## “Preservatives: Why and How ”

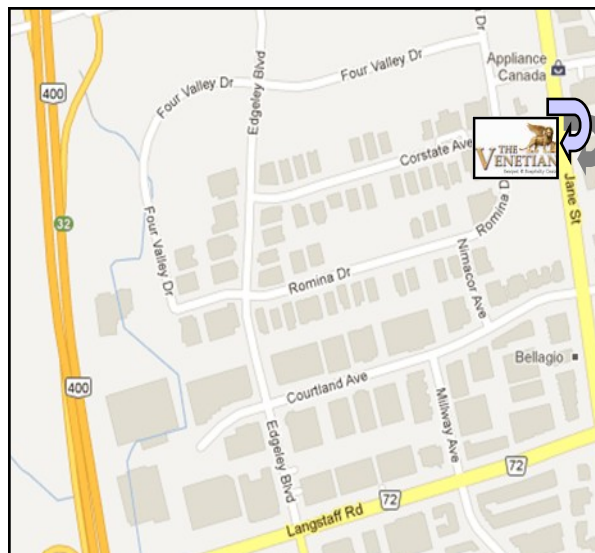
Joseph Dallal, L.C., M.Sc.

**THURSDAY NOVEMBER 8TH ,2012**

**Location:** The Venetian Banquet & Hospitality Centre  
219 Romina Drive, City of Vaughan,  
ON, L4K 4V3 (tel: 905-264-9960)

**Time:** 5:00 p.m. Cocktails  
6:00 p.m. Dinner  
7:00 p.m. Presentation  
8:00 p.m. Adjournment

**Fees:** \$45 pre-paid SCC member  
\$55 pre-paid non-member  
\$10 pre-paid student  
\$60 at the door



**Abstract:** Preservatives: Why and How

Everyone knows we use preservatives in products, but why do we need them, how do we decide which ones to use, how do we know if they work, and how can we be sure they will work when we need them?

There are plenty of preservatives out there, but there are also a plethora of formulation types. Creative formulation chemists and marketers are inventing creative ways to integrate oils and waters as well as sticking things into interfaces and between micelles which create havoc in the world of restrained water and nutrient rich environments for organisms to thrive.

Not only does the formulator have to choose a preservative that holds the organisms at bay, but it has to work in the environment that was created. Not only does pH, type of emulsifier and emulsion, level and kind of oil phase, amount of ‘available’ water, and temperature of addition become paramount, but now regulatory issues of various countries come into play (who allows what, and what part of the body will be in contact?).

We will look at categories of formulation bases and their relationship to organisms and preservative choices. For those of you who haven’t seen what it takes to challenge the preservative system (and wonder why it takes so long, and you have to pay), I’ll take you through a PET scenario, and analyze the reported results.

Who do I expect to profit from this discussion? Formulating Chemists (Skin, Hair, Other), Lab Managers, Microbiologists, Marketing, Consultants, Contract Manufacturers, Plant Engineers, and College Students, Preparatory questions (that you want me to cover) and follow-up questions can be sent to [jdallal@ashland.com](mailto:jdallal@ashland.com)

Speaker biography next page...

**Biography:** Joseph A. Dallal, L.C., M.Sc.

Joseph Dallal received his Bachelor's of Science Degree with Honors (a Double major in Chemistry and Biology), and a Master's of Science degree in Chemistry from Southwest Texas State University (Thesis in Enzyme Characterization and Kinetics of Protein Synthesis Inhibition by Proteins Extracted from Plants).

Mr. Dallal has formulated personal care products since 1978 (Redken, Zotos, Conair, Shiseido, ISP, Ashland Specialty Ingredients/ASI), has been with ISP (now ASI) Technical Services since 1993 (Developing prototypes, methods, brochures, training programs, demonstrating efficacy/Claim substantiation, brainstorming sessions, and presentations), has been an active SCC member (since 1978) having held various offices at chapter and national levels (Chapter Chair Elect, Chapter Chair Connecticut Chapter, COCA Chair, Area Director, Chair of the **C**ontinuing **E**ducation **P**rogram (CEP) Committee, National Seminar Technical Session Moderator, and various committee duties, currently President National SCC).

He has been awarded 2 patents in styling and conditioning, authored a chapter on styling (Harry's Cosmetics) and co-authored a chapter on styling and fixatives (hair and hair Care), guest Lectured at Fairleigh Dickenson University's Masters in Cosmetic Science program (styling/fixatives: concepts, design, implementation, testing; and hair protection: lecture and hands-on lab sessions), Co-Instructs the SCC CEP 'Hands-On' Lecture and Lab class on styling and fixatives, and is a frequent presenter at SCC, HBA, PCIA, Universities, and Cosmetology Schools (USA and international – commercial and non-commercial technical talks).

Association Membership/Activities: SCC, American Chemical Society (ACS) and National Cosmetology Association (NCA/PBA, held various offices at affiliate level), and a licensed cosmetologist in Texas and Connecticut (worked through college in family salon).

Hobbies/Interests: anatomy and physiology/kinesiology, cooking/eating, woodworking, home repairs, inventions, gardening, raising 3 daughters.

## Programs and Privileges

### Of SCC Membership



**Journal** - Membership includes subscription to the Journal of Cosmetic Science, the Official Journal of the Society of Cosmetic Chemists. The Journal contains technical papers on topics of interest to cosmetic scientists and is distributed six times per year.

**Meetings & Seminars** - The Society holds its Annual Scientific Meeting each December and its Annual Scientific Seminar each May. The Meetings and Seminars provide a forum for an exchange of current findings and technology on topics of global interest in cosmetic science.

**Continuing Education Programs** - Our CEP Programs are short courses taught by practicing cosmetic scientists and perfumers, all acknowledged experts in their disciplines.

**Chapters** - Each member is assigned to one of seventeen Chapters throughout the United States and Canada, according to his or her geographic location. Chapters hold local scientific meetings throughout the year, and many publish their own newsletters.

**I.F.S.C.C.** - The Society of Cosmetic Chemists is one of 42 member organizations within the International Federation of Societies of Cosmetic Chemists.



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# **“HLB” Pioneer Bill Griffin Passes Away**



**CHESTERTOWN** - The family of William C. Griffin, also known as “Mr. Clock,” is saddened to announce that he passed away, Sept. 16, 2012 at Heron Point, his Chestertown home for 21 years. He was born in Mt. Pleasant, Westmoreland County, Pa. on Oct. 9, 1914, to William R. and Bess Colvin Griffin. He lived in Mt. Pleasant until entering Penn State in 1932. He graduated in 1936 with a Bachelor of Science degree in chemical engineering. He received a Master of Science degree in 1953.

From 1936 until his retirement in 1979, he worked for Atlas Powder Co. His division along the way became part of ICI Americas. He was a chemist in product development, becoming associate director. He held over 36 patents.

Notable in his work was the development of a method for selecting emulsifiers for a wide range of products, known as the HLB system. The concept is still used today by chemists. On HLB's 50th anniversary, Bill was honored by the Society of Cosmetic Chemists and in 2008, Croda Ltd. named a research laboratory building in New Castle, Del. “The William C. Griffin Innovation Center.”

In his 50s, Bill learned to sail and in the next 30 years, he and his wife, Betty sailed the Chesapeake Bay. Sailing provided their entry to Chestertown, which eventually became their home after having lived in West Chester, Pa. for 35 years.

Antique clocks and repairing them was a passion. After retirement, it became his job and hobby. Bill's other interests were woodworking, model trains, flying model planes, music, travel, computer activities and volunteering at Heron Point. He was active in the Presbyterian Church of Chestertown and was an elder. He restored an abandoned electric organ that served the church for several years.

He was the loving and devoted husband of Elizabeth Beard Griffin for almost 56 years. He was the loving father of their children, Bill and wife Maggie, and Maris Vanasse and husband Rick, and grandchildren, George and Willy Griffin and Sara, Carl and Sam Vanasse.

Online condolences may be made to the family at [www.fhnfuneralhome.com](http://www.fhnfuneralhome.com).

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## ONTARIO CHAPTER SCHOLARSHIP PROGRAM SOCIETY FOR COSMETIC CHEMISTS

The support of Cosmetic Science Education and Research are central to the goals of the Society of Cosmetic Chemists (SCC). The Ontario Chapter has developed a Scholarship Program available to Canadian University, College or High School students. In the past, the \$1000.00 award has been presented to students from the University of Toronto, University of Waterloo and University of Guelph. The program began in 2003 and 14 students have received awards in the past.

The program is open to any student planning to complete research related to cosmetic science. Interested students are invited to submit a brief one page research outline to Dennis Zuccolin, Director of Scholarships at [dzuccoli@maccosmetics.com](mailto:dzuccoli@maccosmetics.com). The scholarship applications will be reviewed by the SCC Ontario Chapter Board members. Students awarded a scholarship can also apply for additional support (up to \$1000.00) to cover research and development costs, training and conference expenses.

Successful candidates are encouraged to attend SCC meetings, volunteer at events, collaborate with members of the Society, prepare a poster presentation, write an article for the newsletter and/or make a brief oral presentation on their research at a chapter meeting.

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## HOLIDAY DINNER DANCE



On November 30th, 2012 the SCC Ontario Chapter will be holding its Sixteenth Annual Holiday Dinner Dance at The Venetian Banquet & Hospitality Centre, 219 Romina Drive, City of Vaughan, ON, L4K 4V3 (tel: 905-264-9960)

Start the evening at 6:00 p.m. by enjoying the specialties from the antipasto table. Dinner will follow at 7:00 p.m. SHARP. The dance floor will be open until 1:00 a.m. and you can enjoy a sweets table at 11:00 p.m.

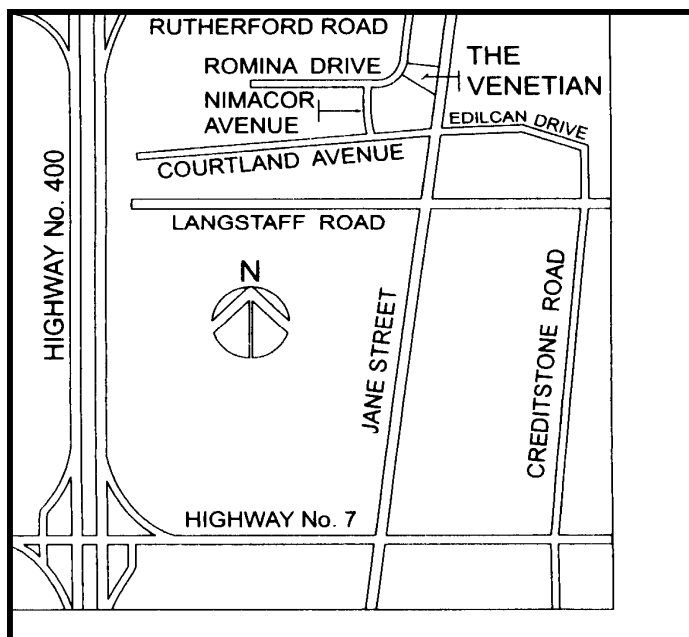
The price is \$100 per person and corporate tables of 8 at \$800 or 10 at \$1000 are also available.

Please RSVP to **Dorothy Maraprossians** at 905-601-8766 or by email [dorothy.maraprossians@unipex.com](mailto:dorothy.maraprossians@unipex.com) or fax to 905-812-0672 by **November 23rd**.

Our Holiday Dinner Dance is always a huge success, as it gives us all the opportunity to gather together for an informal evening. Mark your calendars now and RSVP soon. If you do not receive your invitation, please use the RSVP form found on the next page.

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*Slivers*  
*Risotto ai funghi*  
*Roast Veal Tenderloin with Cognac sauce*  
*Filet of Sole whitewine and caper sauce*  
*Gilled asparagus/roasted mini new skinned*  
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# Ontario Chapter



*Holiday Dinner Dance*

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*Friday, November 30th, 2012*

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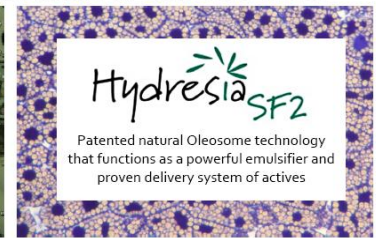
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# HLB – The Easiest Way to Create An Emulsion

by Kelly Dobos

As a [cosmetic chemist](#) you will undoubtedly be asked to make products that require you to combine materials that aren't easily compatible. Fortunately, there is a system that can help you get started.

## Cosmetic Emulsions

Emulsions are one of the most common forms of cosmetic products. You find them in skin lotions, make-up, and even hair products. By definition an emulsion is a dispersion of two or more immiscible materials, where one phase, also known as the internal phase, is dispersed in the continuous or external phase. Cosmetic emulsions are classified as oil in water (O/W), water in oil (W/O) and water in silicone (W/Si). Multiple emulsions such as oil in water in oil (W/O/W) are also possible. Oil in water emulsions are the most common due to preferable cost and light skin feel.

In order to create an oil in water emulsion (one that remains stable for a long enough time), work must be done to overcome the interfacial tension between the two phases. This can be achieved by mixing; however mixing even at very high rates is not enough to provide long term stability. An emulsifier or combination of emulsifiers is needed to stabilize droplets of the dispersed phase. For example, simple oil in vinegar salad dressings will separate rapidly without the use of an emulsifier like mustard.

## Using Surfactants

In this industry, we use surfactants to create emulsions. Surfactants are molecules that have a hydrophobic (oil soluble) and an effective hydrophilic (water soluble) portion. They act as emulsifiers by significantly lowering the interfacial tension and decreasing the coalescence of dispersed droplets.

## HLB Formulating

Figuring out what surfactant to use for any specific formula will be a challenge you face as a cosmetic chemist. There is a great deal of research on surfactants and their behavior. But studying the thermodynamic equations and phase diagrams associated with surfactants can be a daunting task, not to mention the number of surfactants available to the formulator is vast. Luckily for us, William C. Griffin developed a way to streamline the selection of surfactants by utilizing the ratio of the hydrophobic to the hydrophilic portion of the molecule. This method is referred to as the HLB (Hydrophile Lipophile Balance) method. Griffin first presented this method at meeting of the Chicago Chapter of the Society of Cosmetic Chemists in 1949 and it is still widely used today. He published the method shortly thereafter.<sup>1</sup> (A bit of trivia for you, the Chicago Chapter was the first chapter formed in [Society of Cosmetic Chemists](#))

The HLB method applies to nonionic (uncharged) surfactants but attempts have been made to broaden the concepts to other surfactant types including silicone surfactants. And using the HLB system to create emulsions is quite simple. All you have to do is calculate the HLB number of your surfactant, then the required HLB for the oil phase and match the two numbers.

## Determining the HLB of a surfactant

A typical nonionic emulsifier (e.g. Laureth-4) contains an ethylene oxide groups or polyhydric alcohol hydrophilic portions with a fatty alcohol hydrophobic portion. The HLB for a nonionic surfactant can be calculated as follows:

$$\text{HLB} = \text{Weight \% Hydrophile} / 5$$

### Example 1: HLB calculation for Laureth-4

Molecular weight of ethoxylate portion = 176

Molecular weight of lauryl alcohol = 186

Wt. % Hydrophile =  $(176 / (176 + 186)) \times 100 = 48.6\%$

HLB =  $48.6 / 5 = 9.7$

Based on the calculation, surfactants with high HLB values will be more water soluble and those with low HLB values are more oil soluble. Division by 5 just allows for a compact, easy to use scale. The calculation is simple, but you won't usually have to figure it out since most surfactant HLB values are readily available through literature references and surfactant suppliers.

### Calculating HLB of oil phase

Each lipophilic ingredient in the oil phase has its own required HLB. These required HLB values are determined experimentally, however a method utilizing solubility parameters has been proposed by Vaughan and Rice.<sup>2</sup> Required HLB values for some common oil phase ingredients are available to the formulator in literature. The Req'd HLB values are approximate and can vary by about  $\pm 1$  unit. It is also important to keep in mind that cosmetic emulsions often have complex oil phases with several components. The required HLB of an oil phase mixture can be calculated by first calculating the percent of the oil phase each ingredient contributes. This percentage is then multiplied by the required HLB for each of those ingredients and the results are summed.

### Example 2: Calculation of required HLB for an oil phase mixture

The oil phase is 10% of the total formulation and consists of:

4% Shea butter, 40% of the oil phase. Req'd HLB of 8.  
3% Jojoba oil, 30% of the oil phase. Req'd HLB of 6.5.  
3% Sunflower seed oil, 30% of the oil phase. Req'd HLB of 7.  
Total required HLB:  
Shea butter contribution  $0.4 \times 8 = 3.20$   
Jojoba oil contribution  $0.3 \times 6.5 = 1.95$   
Sunflower oil contribution  $0.3 \times 7 = 2.10$   
Total Req'd HLB = 7.25

You can now select emulsifiers to match the required HLB of the oil phase and create an emulsion. A blend of high and low HLB surfactants is often used to achieve the desired value in part because of demonstrated effectiveness and efficiencies in packing at the interface. The HLB for the surfactant blend is calculated in same manner as the required HLB for a blend.

### Example 3: Calculation of HLB for a surfactant mixture

The surfactant mixture is a 70/30 blend of Steareth-2 and Steareth-21.

Total HLB:  
Steareth-2 contribution  $0.7 \times 4.9 = 3.43$   
Steareth-21 contribution  $0.3 \times 15.5 = 4.65$   
Total HLB = 8.08

In order to match the HLB of a particular oil phase, it is easiest to set up a spreadsheet with the calculation and vary the percentages of each emulsifier in increments of 5% to find the right ratio.

### Limitations of HLB

Although a very useful tool, the HLB system does have some limitations. For example additional water phase ingredients are not considered but still may impact the stability. The method also does not provide information as to how much surfactant is needed, but 2 to 4% surfactant is a good starting point to begin further optimization for stability. So it is important to keep in mind that the HLB system is not absolute in prediction of your formulations behavior, but a very good starting point for achieving emulsification.

### References

1. Griffin WC; Calculation of HLB Values of Non-Ionic Surfactants, *Journal of the Society of Cosmetic Chemists*; 1954. Vol. 5, pp 249-235
2. Vaughan, C.D. Rice, Dennis A.; Predicting O/W Emulsion Stability by the "Required HLB Equation"; *Journal of Dispersion Science and Technology*; 1990. Vol. 11 (1), pp 83 – 91.

To ask Kelly a question go to <http://chemistscorner.com/hlb-the-easiest-way-to-create-an-emulsion/>





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## Presenters Welcome!!!



The SCC Ontario Chapter board is currently accepting submissions for presentations ! Interested parties can submit a presentation abstract and a biography. Your talk may be accepted for either a Chapter meeting or Education Day.

Please send all enquiries to Andy Halasz (speaker coordinator) at

[ahalasz@hunteramenities.com](mailto:ahalasz@hunteramenities.com)

## NEWSLETTER POSTING DATES FOR 2012

Here are the dates for 2012 that the Northern Highlights Staff plan to post the 5 newsletters for the year;

- ◆ January 17th
- ◆ March 15th
- ◆ May 3rd
- ◆ August 30th
- ◆ October 11th



(or as close as we can get)

Should posting dates change throughout the year the most up to date list can be found at

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## Address Changes??



Throughout the year many of our members change jobs or relocate and forget to notify the National Office. Without notification, these members may not receive Important mailings and eventually are made inactive. We have created a form that is now available on the SCC website which allows members to make changes to their information and it is sent to the National office. Please visit the following website to make your changes;

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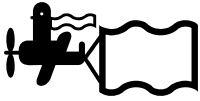
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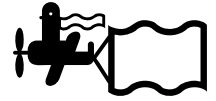
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The SCC Ontario Chapter would like to take this opportunity to thank all our sponsors for the 2012 Newsletters. Now is the time to request advertising for the year 2013. We will be maintaining our rates for 2013. The rates as listed will include a minimum of 5 issues of our newsletter.

All fees will be due by December 31, 2012 and must be received in order to be included in our January 2013 issue.

Since the newsletter is offered in an electronic Adobe format, we prefer colour versions of your ads as they will translate much better and stand out to the reading public.

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# UPCOMING EVENTS

November 8th , 2012 SCC Ontario Chapter Meeting	SCC Ontario Chapter Meeting– “Preservatives: Why and How ” Joseph Dallal, L.C., M.Sc.
November 30th, 2012 The Venetian, Vaughan ON	16th Annual Holiday Dinner Dance
February 7th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
March 26th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Regulatory Meeting TBA
May 30th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
June 6-7, 2013 Union Station Marriott St. Louis, MO	2013 Annual Scientific Seminar
July 23rd, 2013 Caledon Woods Golf Club	SCC Ontario 13th Annual Golf Tournament
September 19th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– Education Day
November 7th, 2013 The Venetian, Vaughan ON	SCC Ontario Chapter Meeting– TBA
November 29th, 2013 The Venetian, Vaughan ON	17th Annual Holiday Dinner Dance

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## MEMBERSHIP

For those who would like to become members, yearly fees are \$140 US. Applications are available from your Executive Committee or on-line at [www.SCCOnline.org](http://www.SCCOnline.org).

Please return the completed form at your convenience and reap the benefits of the SCC. For renewal memberships, please send payments directly to the SCC National Office. For your convenience, National will accept payment by **VISA, Mastercard or AMEX**. Please contact National for details.

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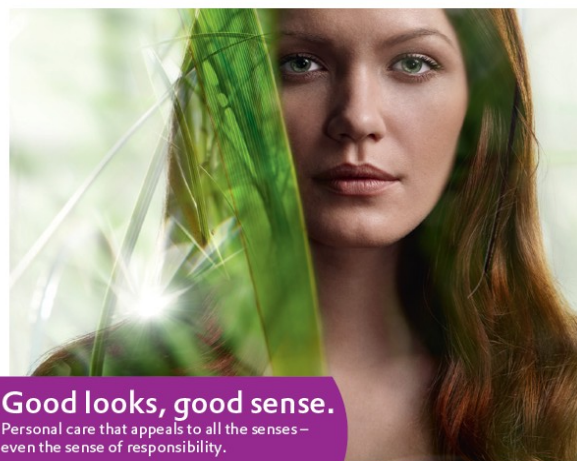
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